



Rizvi Education Society's
RIZVI COLLEGE
 OF ARTS, SCIENCE & COMMERCE

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Subject: Free & Open source software
Faculty Name: DEEPIKA SARAVAGI

Class : F.Y.B.Sc. (CS)

DIV: _____

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JULY	<p>Introduction: Open Source, Free Software, Free Software vs. Open Source software, Public Domain Software, FOSS does not mean no cost. History: BSD, The Free Software Foundation and the GNU Project.</p> <p>Methodologies: Open Source History, Initiatives, Principle and methodologies. Philosophy : Software Freedom, Open Source Development Model Licenses and Patents: What Is A License, Important FOSS Licenses (Apache,BSD,GPL, LGPL), copyrights and copy lefts, Patents Economics of FOSS : Zero Marginal Cost, Income-generation opportunities, Problems with traditional commercial software, Internationalization</p> <p>Social Impact: Open source vs. closed source, Open source government, Open source ethics. Social and Financial impacts of open source technology, Shared software, Shared source, Open Source in Government.</p>	14	
AUGUST	<p>Case Studies: Example Projects: Apache web server, GNU/Linux, Android, Mozilla (Firefox), Wikipedia, Drupal, wordpress, GCC, GDB, github, Open Office. Study: Understanding the developmental models, licensings, mode of funding,commercial/non-commercial use. Open Source Hardware, Open Source Design, Open source Teaching. Open source media.Collaboration, Community and Communication</p> <p>Contributing to Open Source Projects: Introduction to github, interacting with the community on github, Communication and etiquette, testing open source code, reporting issues, contributing code. Introduction to wikipedia, contributing to Wikipedia Or contributing to any prominent open source project of student's choice. Starting and Maintaining own Open Source Project.</p>	14	
SEPTEMBER	<p>Understanding Open Source Ecosystem: Open Source Operating Systems: GNU/Linux, Android, Free BSD, Open Solaris. Open Source Hardware, Virtualization Technologies, Containerization Technologies: Docker, Development tools, IDEs, debuggers, Programming languages, LAMP, Open Source database technologies</p>	08	



Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JULY	<p>Personality Development: Knowing Yourself, Positive Thinking, Johari’s Window, Communication Skills, Non-verbal Communication, Physical Fitness</p> <p>Emotional Intelligence: Meaning and Definition, Need for Emotional Intelligence, Intelligence Quotient versus Emotional Intelligence Quotient, Components of Emotional Intelligence, Competencies of Emotional Intelligence, Skills to Develop Emotional Intelligence</p> <p>Etiquette and Mannerism: Introduction, Professional Etiquette, Technology Etiquette</p> <p>Communication Today: Significance of Communication, GSC’s 3M Model of Communication, Vitality of the Communication Process, Virtues of Listening, Fundamentals of Good Listening, Nature of Non-Verbal Communication, Need for Intercultural Communication, Communicating Digital World</p>	15	
AUGUST	<p>Employment Communication: Introduction, Resume, Curriculum Vitae, Scannable Resume, Developing an Impressive Resume, Formats of Resume, Job Application or Cover Letter</p> <p>Professional Presentation: Nature of Oral Presentation, Planning a Presentation, Preparing the Presentation, Delivering the Presentation.</p> <p>Job Interviews: Introduction, Importance of Resume, Definition of Interview, Background Information, Types of Interviews, Preparatory Steps for Job Interviews, Interview Skill Tips, Changes in the Interview Process, FAQ During Interviews</p> <p>Group Discussion: Introduction, Ambience/Seating Arrangement for Group Discussion, Importance of Group Discussions, Difference between Group Discussion, Panel Discussion and Debate, Traits, Types of Group Discussions, topic based and Case based Group Discussion, Individual Traits</p>	15	
SEPTEMBER	<p>Creativity at Workplace: Introduction, Current Workplaces, Creativity, Motivation, Nurturing Hobbies at Work, The Six Thinking Hat Method</p> <p>Ethical Values: Ethics and Society, Theories of Ethics, Correlation between Values and Behavior, Nurturing Ethics, Importance of Work Ethics, Problems in the Absence of Work Ethics</p> <p>Capacity Building: Learn, Unlearn and Relearn: Capacity Building, Elements of Capacity Building, Zones of Learning, Ideas for Learning, Strategies for Capacity Building</p> <p>Leadership and Team Building: Leader and Leadership, Leadership Traits, Culture and Leadership, Leadership Styles and Trends, Team Building, Types of Teams,</p> <p>Decision Making and Negotiation: Introduction to Decision Making, Steps for Decision Making, Decision Making Techniques, Negotiation Fundamentals, Negotiation Styles, Major Negotiation Concepts</p> <p>Stress and Time Management: Stress, Sources of Stress, Ways to Cope with Stress</p>	15	

Subject: Statistics & Intro to Probability **Class :** F.Y.B.Sc. (CS)
Faculty Name: DEEPIKA SARAVAGI

DIV: _____

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JULY	<p>Data Presentation Data types : attribute, variable, discrete and continuous variable Data presentation : frequency distribution, histogram o give, curves, stem and leaf display Measures of Skewness and Kurtosis: based on moments, quartiles, relation between mean, median, mode for symmetric, asymmetric frequency curve.Data Aggregation Measures of Central tendency: Mean, Median, mode for raw data, discrete, grouped frequency distribution. Measures dispersion: Variance, standard deviation, coefficient of variation for raw data, discrete and grouped frequency distribution, quartiles, quantiles Real life examples</p>	14	
AUGUST	<p>Correlation and Regression: bivariate data, scatter plot, correlation, nonsense correlation, Karl pearson's coefficients of correlation, independence. Linear regression: fitting of linear regression using least square regression, coefficient of determination, properties of regression coefficients (only statement) Probability : Random experiment, sample space, events types and operations of events</p>	14	
SEPTEMBER	<p>Probability definition : classical, axiomatic, Elementary Theorems of probability (without proof) $0 \leq P(A) \leq 1,$ $P(A \cap B) = P(A) + P(B) - P(A \cup B)$ $P(A^c) = 1 - P(A)$ $P(A) \leq P(B)$ if $A \subset B$ Conditional probability, 'Bayes' theorem, independence, Examples on Probability</p>	08	

Subject: Soft Skills Development
Faculty Name: Shabana Ansari

Class : F.Y.B.Sc. (CS)

DIV: _____

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JULY	<p>Introduction to Soft Skills and Hard Skills Personality Development: Knowing Yourself, Positive Thinking, Johari's Window, Communication Skills, Non-verbal Communication, Physical Fitness Emotional Intelligence: Meaning and Definition, Need for Emotional Intelligence, Intelligence Quotient versus Emotional Intelligence Quotient, Components of Emotional Intelligence, Competencies of Emotional Intelligence, Skills to Develop Emotional Intelligence Etiquette and Mannerism: Introduction, Professional</p>	14	



	<p>Etiquette, Technology Etiquette Communication Today: Significance of Communication, GSC's 3M Model of Communication, Vitality of the Communication Process, Virtues of Listening, Fundamentals of Good Listening, Nature of Non-Verbal Communication, Need for Intercultural Communication, Communicating Digital World</p>		
AUGUST	<p>Academic Skills Employment Communication: Introduction, Resume, Curriculum Vitae, Scannable Resume, Developing an Impressive Resume, Formats of Resume, Job Application or Cover Letter Professional Presentation: Nature of Oral Presentation, Planning a Presentation, Preparing the Presentation, Delivering the Presentation Job Interviews: Introduction, Importance of Resume, Definition of Interview, Background Information, Types of Interviews, Preparatory Steps for Job Interviews, Interview Skill Tips, Changes in the Interview Process, FAQ During Interviews Group Discussion: Introduction, Ambience/Seating Arrangement for Group Discussion, Importance of Group Discussions, Difference between Group Discussion, Panel Discussion and Debate, Traits, Types of Group Discussions, topic based and Case based Group Discussion, Individual Traits</p>	14	
SEPTEMBER	<p>Professional Skills Creativity at Workplace: Introduction, Current Workplaces, Creativity, Motivation, Nurturing Hobbies at Work, The Six Thinking Hat Method Ethical Values: Ethics and Society, Theories of Ethics, Correlation between Values and Behavior, Nurturing Ethics, Importance of Work Ethics, Problems in the Absence of Work Ethics Capacity Building: Learn, Unlearn and Relearn: Capacity Building, Elements of Capacity Building, Zones of Learning, Ideas for Learning, Strategies for Capacity Building Leadership and Team Building: Leader and Leadership, Leadership Traits, Culture and Leadership, Leadership Styles and Trends, Team Building, Types of Teams, Decision Making and Negotiation: Introduction to Decision Making, Steps for Decision Making, Decision Making Techniques, Negotiation Fundamentals, Negotiation Styles, Major Negotiation Concepts Stress and Time Management: Stress, Sources of Stress, Ways to Cope with Stress</p>	06	



Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JULY	<p>Reasons for Python as the learner's first programming language. Introduction to the IDLE interpreter (shell) and its documentation. Expression evaluation: similarities and differences compared to a calculator; expressions and operators of types int, float, boolean. Built-in function type. Operator precedence. Enumeration of simple and compound statements. The expression statement. The assert statement, whose operand is a boolean expression (values true or false). The assignment statement, dynamic binding of names to values, (type is associated with data and not with names); automatic and implicit declaration of variable names with the assignment statement; assigning the valueNone to a name. The del (delete) statement. Input/output with print and input functions. A statement list (semicolonseparated list of simple statements on a single line) as a single interpreter command. The import statement for already-defined functions and constants. The augmented assignment statement. The built-inhelp() function. Interactive and script modes of IDLE, running a script, restarting the shell. The compound statement def to define functions; the role of indentation for delimiting the body of a compound statement; calling a previously defined function. Compound data types str, tuple and list (enclosed in quotes, parentheses and brackets, respectively). Indexing individual elements within these types. Strings and tuples are immutable, lists are mutable. Built-in functions min, max, sum. Interactive solution of model problems, (e.g., finding the square root of a number or zero of a function), by repeatedly executing the body of a loop (where the body is a statement list).</p>	14	
AUGUST	<p>Advantages of functions, function parameters, formal parameters, actual parameters, global and local variables. The range function, the iterative for statement. The conditional statements if, if-else, if-elif-else. The iterative statements while, while-else, for-else. The continue statement to skip over one iteration of a loop, the break statement to exit the loop. Nested compound statements. Dictionaries: concept of key-value pairs, techniques to create, update and delete dictionary items. Problem-solving using compound types and statements.</p>	14	
SEPTEMBER	<p>Anonymous functions. List comprehensions. Gentle introduction to object-oriented programming; using the built-in dir() function, enumerate the methods of strings, tuples, lists, dictionaries. Using these methods for problem-solving with compound types.</p>	06	



Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JULY	Introduction to DBMS – Database, DBMS – Definition, Overview of DBMS, Advantages of DBMS, Levels of abstraction, Data independence, DBMS Architecture Data Models, Entities, attributes, entity sets, relations, relationship sets, Additional constraints, Conceptual Design using ER .	2	2
AUGUST	Relational data model– Domains, attributes, Tuples and Relations, Relational Model Notation, Characteristics of Relations, Relational , ER to Table- Entity to Table, Relationship to tables with and without key constraints. Schema refinement and Normal forms. Relational Algebra operations , DDL Statements - Creating Databases, Using Databases, datatypes, Creating Tables, Altering Tables, Renaming Tables, Dropping Tables, Truncating Tables, Backing Up and Restoring databases	15	
SEPTEMBER	DML Statements – Viewing the structure of a table insert, update, delete, Select all columns, specific columns, unique records, conditional select, in clause, between clause, limit, aggregate functions, group by clause, having clause. Functions – String, Math Functions, Date Functions,Joining Tables – inner join, outer join Subqueries – subqueries with IN, EXISTS, subqueries restrictions, Nested subqueries, ANY/ALL clause, correlated subqueries Database Protection: Security Issues, Threats to Databases, Security Mechanisms, Role of DBA, Discretionary Access Control Views, DCL Statements.	8	

FIRST TERM

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JULY	The Logic of Compound Statements: Logical Form and Logical Equivalence, Conditional Statements, Valid and Invalid Arguments, Quantified Statements: Predicates and Quantified Statements, Statements with Multiple Quantifiers, Arguments with Quantified Statements.	15	
AUGUST	Relations: Relations on Sets, Reflexivity, Symmetry, and Transitivity, Equivalence Relations, Partial Order Relations. Functions: Functions Defined on General Sets, One-to-One and Onto, Inverse Functions, Composition of Functions, Cardinality with Applications to Computability. Graphs and Trees: Definitions and Basic Properties, Trails, Paths, and Circuits, Matrix Representations of Graphs, Isomorphism's of Graphs, Trees, Rooted Trees, Isomorphism's of Graphs, Spanning trees and shortest paths. Set Theory: Definitions and the Element Method of Proof, Properties of Sets, Disproofs, Algebraic Proofs, Boolean Algebras, Russell's Paradox and the Halting Problem.	20	



SEPTEMBER	<p>Sequences, Mathematical Induction, and Recursion: Sequences, Mathematical Induction, Strong Mathematical Induction and the WellOrdering Principle for the Integers, Correctness of algorithms, defining sequences recursively, Solving recurrence relations by iteration, Second order linear homogenous recurrence relations with constant coefficients. general recursive definitions and structural induction.</p> <p>Counting and Probability: Introduction, Possibility Trees and the Multiplication Rule, Possibility Trees and the Multiplication Rule, Counting Elements of Disjoint Sets: The Addition Rule, The Pigeonhole Principle, Counting Subsets of a Set: Combinations, rCombinations with Repetition Allowed, Probability Axioms and Expected Value, Conditional Probability, Bayes' Formula, and Independent Events.</p> <p>Elementary Number Theory and Methods of Proof: Introduction to Direct Proofs, Rational Numbers, Divisibility, Division into Cases and the Quotient-Remainder Theorem, Floor and Ceiling, Indirect Argument: Contradiction and Contraposition, Two Classical Theorems, Applications in algorithms.</p>	20	
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Subject: Operating Systems Class: **F.Y.B.Sc. (IT)** Sem I
Faculty: SAMEER SHAIKH

DIV: _____

FIRST TERM

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JULY	<p>Introduction: What is an operating system? History of operating system, computer hardware, different operating systems, operating system concepts, system calls, operating system structure.</p> <p>Processes and Threads: Processes, threads, interprocess communication, scheduling, IPC problems.</p> <p>Memory Management: No memory abstraction, memory abstraction: address spaces, virtual memory, page replacement algorithms, design issues for paging systems, implementation issues, segmentation.</p>	15	
AUGUST	<p>File Systems: Files, directories, file system implementation, file-system management and optimization, MS-DOS file system, UNIX V7 file system, CD ROM file system.</p> <p>Input-Output: Principles of I/O hardware, Principles of I/O software, I/O software layers, disks, clocks, user interfaces: keyboard, mouse, monitor, thin clients, power management,</p> <p>Deadlocks: Resources, introduction to deadlocks, the ostrich algorithm, deadlock detection and recovery, deadlock avoidance, deadlock prevention, issues.</p> <p>Virtualization and Cloud: History, requirements for virtualization, type 1 and 2 hypervisors, techniques for efficient virtualization, hypervisor microkernels, memory virtualization, I/O virtualization, Virtual appliances, virtual machines on multicore CPUs, Clouds</p>	20	



SEPTEMBER	<p>Multiple Processor Systems Multiprocessors, multicomputers, distributed systems</p> <p>Case Study on LINUX and ANDROID: History of Unix and Linux, Linux Overview, Processes in Linux, Memory management in Linux, I/O in Linux, Linux file system, security in Linux. Android</p> <p>Case Study on Windows: History of windows through Windows 10, programming windows, system structure, processes and threads in windows, memory management, caching in windows, I/O in windows, Windows NT file system, Windows power management, Security in windows</p>	20	
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Subject: Digital Electronics

Class: **F.Y.B.Sc. (I.T.)** Sem I

DIV: _____

Faculty Name: **PALSANIA MUZAFFAR**

FIRST TERM

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
July	<p>Number System: Analog System, digital system, numbering system, binary number system, octal number system, hexadecimal number system, conversion from one number system to another, floating point numbers, weighted codes binary coded decimal, non-weighted codes Excess – 3 code, Gray code, Alphanumeric codes – ASCII Code, EBCDIC, ISCII Code, Hollerith Code, Morse Code, Teletypewriter (TTY), Error detection and correction, Universal Product Code, Code conversion.</p> <p>Binary Arithmetic: Binary addition, Binary subtraction, Negative number representation, Subtraction using 1's complement and 2's complement, Binary multiplication and division</p>	20	
August	<p>Boolean Algebra and Logic Gates: Introduction, Logic (AND OR NOT), Boolean theorems, Boolean Laws, De Morgan's Theorem, Perfect Induction, Reduction of Logic expression using Boolean Algebra, Deriving Boolean expression from given circuit, exclusive OR and Exclusive NOR gates, Universal Logic gates, Implementation of other gates using universal gates, Input bubbled logic, Assertion level. Minterm, Maxterm and Karnaugh Maps: Introduction, minterms and sum of minterm form, maxterm and Product of maxterm form, Reduction technique using Karnaugh maps – 2/3/4/5/6 variable K-maps, Grouping of variables in K-maps, K-maps for product of sum form, minimize Boolean expression using K-map and obtain K-map from Boolean expression, Quine Mc Cluskey Method.</p> <p>Combinational Logic Circuits: Introduction, Multi-input, multi-output Combinational circuits, Code converters design and implementations Arithmetic Circuits: Introduction, Adder, BCD Adder, Excess – 3 Adder, Binary Subtractors, BCD Subtractor, Multiplier, Comparator</p>	20	
September	<p>Multiplexer, Demultiplexer, ALU, Encoder and Decoder: Introduction, Multiplexer, Demultiplexer, Decoder, ALU, Encoders.</p> <p>Sequential Circuits: Flip-Flop: Introduction, Terminologies used, S-R flip-flop, D flip-flop, JK flipflop, Race-around condition, Master – slave JK flip-flop, T flip-flop conversion from one type of flip-flop to another, Application of flipflops.</p> <p>Counters: Introduction, Asynchronous counter, Terms related to counters, IC 7493 (4-bit binary counter), Synchronous counter, Bushing, Type T Design, Type JK Design, Presettable counter, IC</p>	20	



	7490, IC 7492, Synchronous counter ICs, Analysis of counter circuits. Shift Register: Introduction, parallel and shift registers, serial shifting, serial-in serial-out, serial-in parallel-out, parallel-in parallel-out, Ring counter, Johnson counter, Applications of shift registers, Pseudo-random binary sequence generator, IC7495, Seven Segment displays, analysis of shift counters.		
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Subject: Communication Skills
Faculty: SHABANA ANSARI

Class : F.Y.B.Sc. (IT) SEM-1

FIRST TERM

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JUNE	<p>The Seven Cs of Effective Communication: Completeness, Conciseness, Consideration, Concreteness, Clarity, Courtesy, Correctness</p> <p>Understanding Business Communication: Nature and Scope of Communication, Non-verbal Communication, Cross-cultural communication, Technology-enabled Business Communication</p>	12	
JULY	<p>Writing Business Messages and Documents: Business writing, Business Correspondence, Instructions Business Reports and Proposals, Career building and Resume writing.</p> <p>Developing Oral Communication Skills for Business: Effective Listening, Business Presentations and Public Speaking, Conversations, Interviews</p>	12	
AUGUST	<p>Developing Oral Communication Skills for Business: Meetings and Conferences, Group Discussions and Team Presentations, Team Briefing,</p> <p>Understanding Specific Communication Needs: Communication across Functional Areas.</p> <p>Understanding Specific Communication Needs: Corporate Communication, Persuasive Strategies in Business Communication,</p>	12	



FIRST TERM

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JULY	<p>Unit -I :- Programming Logic and techniques Introduction: Types of Programming languages, History, features and application. Simple program logic, program development cycle, pseudocode statements and flowchart symbols, sentinel value to end a program, programming and user environments, evolution of programming models.desirable program characteristics.Fundamentals:Structure of a program. Compilation and Execution of a Program,Character Set, identifiers and keywords, data types, constants, variables and arrays, declarations, expressions, statements,Variable definition, symbolic constants.</p> <p>UNIT-2 Operators and Expressions: Arithmetic operators, unary operators, relational and logical operators, assignment operators, assignment operators, the conditional operator, library functions.Data Input and output:Single character input and output, entering input data, scanf function, printf function, gets and puts functions, interactive programming.</p>	12	
AUGUST	<p>Unit –III:- Flow of Control Conditional Statements and Loops: Decision Making Within A Program, Conditions, Relational Operators, Logical Connectives, If Statement, If-Else Statement, Loops: While Loop, Do While, For Loop. Nested Loops, Infinite Loops, Switch Statement Functions: Overview, defining a function, accessing a function, passing arguments to a function, specifying argument data types, function prototypes, recursion, modular programming and functions, standard library of c functions, prototype of a function: foollal parameter list, return type, function call, block structure, passing arguments to a function: call by reference, call by value.</p>	12	
SEPTEMBER	<p>Unit-4 Program structure:Storage classes, automatic variables, external variables, static variables, multifile programs, more library functions, Preprocessor: Features,#define and #include,Directives and Macros Arrays:Definition, processing, passing arrays to functions, multidimensional arrays, arrays and strings. Pointers: Fundamentals, declarations, Pointers Address Operators, Pointer Type Declaration, Pointer Assignment, Pointer Initialization, Pointer Arithmetic, Functions and Pointers, Arrays And Pointers, Pointer Arrays, passing functions to other functions Unit-5 Structures and Unions: Structure Variables, Initialization, Structure Assignment, Nested Structure,Structures and Functions, Structures and Arrays: Arrays of Structures, Structures Containing Arrays, Unions, Structures and pointers</p>	12	



Subject: Core Java

Class : S.Y.B.Sc. (CS)

DIV: _____

Faculty Name: ARIF PATEL

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JUNE	<p>The Java Language: Features of Java, Java programming format, Java Tokens, Java Statements, Java Data Types, Typecasting, Arrays</p> <p>OOPS: Introduction, Class, Object, Static Keywords, Constructors, this Key Word, Inheritance, super Key Word, Polymorphism (overloading and overriding), Abstraction, Encapsulation, Abstract Classes, Interfaces</p> <p>String Manipulations: String, String Buffer, String Tokenizer</p> <p>Packages: Introduction to predefined packages (java.lang, java.util, java.io, java.sql, java.swing), User Defined Packages, Access specifiers</p>	9	
JULY	<p>Exception Handling: Introduction, Pre-Defined Exceptions, Try-Catch-Finally, Throws, throw, User Defined Exception examples</p> <p>Multithreading: Thread Creations, Thread Life Cycle, Life Cycle Methods, Synchronization, Wait() notify() notify all() methods</p> <p>I/O Streams: Introduction, Byte-oriented streams, Character-oriented streams, File, Random access File, Serialization</p> <p>Networking: Introduction, Socket, Server socket, Client – Server Communication</p>	14	
AUGUST	<p>Wrapper Classes: Introduction, Byte, Short, Integer, Long, Float, Double, Character, Boolean classes</p> <p>Collection Framework: Introduction, util Package interfaces, List, Set, Map, List interface & its classes, Set interface & its classes, Map interface & its classes.</p> <p>Inner Classes: Introduction, Member inner class, Static inner class, Local inner class, Anonymous inner class</p>	14	
SEPTEMBER	<p>AWT: Introduction, Components, Event-Delegation-Model, Listeners, Layouts, Individual components Label, Button, CheckBox, Radio Button, Choice, List, Menu, Text Field, Text Area</p>	06	

Subject: Database Management System

Class : S.Y.B.Sc. (CS)

DIV: _____

Faculty Name: DEEPIKA SARAVAGI



Months	Topics to be covered	Assigned Lecture	Lectures Undertaken

JUNE	Stored Procedures: Types and benefits of stored procedures, creating stored procedures, executing stored procedures, altering stored procedures, viewing stored procedures. Triggers: Concept of triggers, Implementing triggers – creating triggers, Insert, delete, and update triggers, nested triggers, viewing, deleting and modifying triggers, and enforcing data integrity through triggers. Sequences: creating sequences, referencing, altering and dropping a sequence. File Organization and Indexing: Cluster, Primary and secondary indexing, Index data structure: hash and Tree based indexing, Comparison of file organization: cost model, Heap files, sorted files, clustered files. Creating, dropping and maintaining indexes	09	
JULY	Fundamentals of PL/SQL: Defining variables and constants, PL/SQL expressions and comparisons: Logical Operators, Boolean Expressions, CASE Expressions Handling, Null Values in Comparisons and Conditional Statements, PL/SQL Datatypes: Number Types, Character Types, Boolean Type, Datetime and Interval Types Overview of PL/SQL Control Structures: Conditional Control: IF and CASE Statements, IF-THEN Statement, IF-THEN-ELSE Statement, IFTHEN-ELSIF Statement, CASE Statement, Iterative Control: LOOP and EXIT Statements, WHILE-LOOP, FOR-LOOP, Sequential Control: GOTO and NULL Statements	14	
AUGUST	Transaction Management: ACID Properties, Serializability, Two-phase Commit Protocol, Concurrency Control, Lock Management, Lost Update Problem, Inconsistent Read Problem, Read-Write Locks, Deadlocks Handling, Two Phase Locking protocol. DCL Statements: Defining a transaction, Making Changes Permanent with COMMIT, Undoing Changes with ROLLBACK, Undoing Partial Changes with SAVEPOINT and ROLLBACK	14	
SEPTEMBER	Crash Recovery: ARIES algorithm. The log based recovery, recovery related structures like transaction and dirty page table, Write-ahead log protocol, check points, recovery from a system crash, Redo and Undo phases.	06	

Subject: Theory of Computation

Class : S.Y.B.Sc. (CS)

DIV: _____

Faculty Name: HAIDER ZAIDI



Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JUNE	Automata Theory: Defining Automaton, Finite Automaton, Transitions and Its properties, Acceptability by Finite Automaton, Nondeterministic Finite State Machines, DFA and	9	

	NFA equivalence, Mealy and Moore Machines, Minimizing Automata. Formal Languages: Defining Grammar, Derivations, Languages generated by Grammar, Comsky Classification of Grammar and Languages, Recursive Enumerable Sets, Operations on Languages, Languages and Automata		
JULY	Regular Sets and Regular Grammar: Regular Grammar, Regular Expressions, Finite automata and Regular Expressions, Pumping Lemma and its Applications, Closure Properties, Regular Sets and Regular Grammar Context Free Languages: Context-free Languages, Derivation Tree, Ambiguity of Grammar, CFG simplification, Normal Forms, Pumping Lemma for CFG Pushdown Automata: Definitions, Acceptance by PDA, PDA and CFG	14	
AUGUST	Linear Bound Automata: The Linear Bound Automata Model, Linear Bound Automata and Languages. Turing Machines: Turing Machine Definition, Representations, Acceptability by Turing Machines, Designing and Description of Turing Machines, Turing Machine Construction, Variants of Turing Machine,	14	
SEPTEMBER	Undecidability: The Church-Turing thesis, Universal Turing Machine, Halting Problem, Introduction to Unsolvable Problems	06	

Subject: Web Programming

Class : S.Y.B.Sc. (CS)

DIV: _____

Faculty Name: **SOHRAB VAKHARIA**

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JUNE	HTML5: Fundamental Elements of HTML, Formatting Text in HTML, Organizing Text in HTML, Links and URLs in HTML, Tables in HTML, Images on a Web Page, Image Formats, Image Maps, Colors, FORMs in HTML, Interactive Elements, Working with Multimedia - Audio and Video File Formats, HTML elements for inserting Audio / Video on a web page CSS: Understanding the Syntax of CSS, CSS Selectors, Inserting CSS in an HTML Document, CSS properties to work with background of a Page, CSS properties to work with Fonts and Text Styles, CSS properties for positioning an element	9	



JULY	<p>JavaScript: Using JavaScript in an HTML Document, Programming Fundamentals of JavaScript – Variables, Operators, Control Flow Statements, Popup Boxes, Functions – Defining and Invoking a Function, Defining Function arguments, Defining a Return Statement, Calling Functions with Timer, JavaScript Objects - String, RegExp, Math, Date, Browser Objects - Window, Navigator, History, Location, Document, Cookies, Document Object Model, Form Validation using JavaScript</p> <p>XML: Comparing XML with HTML, Advantages and Disadvantages of XML, Structure of an XML Document, XML Entity References, DTD, XSLT: XSLT Elements and Attributes - xsl:template, xsl:apply-templates, xsl:import, xsl:call-template, xsl:include, xsl:element, xsl:attribute, e xsl:attribute-set, xsl:value-of</p>	14	
AUGUST	<p>AJAX: AJAX Web Application Model, How AJAX Works, XMLHttpRequest Object – Properties and Methods, Handling asynchronous requests using AJAX</p> <p>PHP: Variables and Operators, Program Flow, Arrays, Working with Files and Directories, Working with Databases, Working with Cookies, Sessions and Headers</p>	14	
SEPTEMBER	<p>Introduction to jQuery: Fundamentals, Selectors, methods to access HTML attributes, methods for traversing, manipulators, events, effects</p>	06	

Subject: Python Programming
Faculty: ARIF PATEL

Class : S.Y.B.Sc. (USIT301) DIV: _____

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JUNE	<p>Introduction: The Python Programming Language, History, features, Installing Python, Running Python program, Debugging : Syntax Errors, Runtime Errors, Semantic Errors, Experimental Debugging, Formal and Natural Languages, The Difference Between Brackets, Braces, and Parentheses, Variables and Expressions Values and Types, Variables, Variable Names and Keywords, Type conversion, Operators and Operands, Expressions, Interactive Mode and Script Mode, Order of Operations. Conditional Statements: if, if-else, nested if –else Looping: for, while, nested loops Control statements: Terminating loops, skipping specific conditions Functions: Function Calls, Type Conversion Functions, Math Functions, Composition, Adding New Functions, Definitions and Uses,</p> <p>Flow of Execution, Parameters and Arguments, Variables and Parameters Are Local, Stack Diagrams, Fruitful Functions and Void Functions, Why Functions? Importing with from, Return Values, Incremental Development, Composition, Boolean Functions, More Recursion, Leap of Faith, Checking Types.</p>	15	



	Strings: A String Is a Sequence, Traversal with a for Loop, String Slices, Strings Are Immutable, Searching, Looping and Counting, String Methods, The in Operator, String Comparison, String Operations.		
JULY	<p>Lists: Values and Accessing Elements, Lists are mutable, traversing a List, Deleting elements from List, Built-in List Operators, Concatenation, Repetition, In Operator, Built-in List functions and methods.</p> <p>Tuples and Dictionaries: Tuples, Accessing values in Tuples, Tuple Assignment, Tuples as return values, Variable-length argument tuples, Basic tuples operations, Concatenation, Repetition, in Operator, Iteration, Built-in Tuple Functions</p> <p>Creating a Dictionary, Accessing Values in a dictionary, Updating Dictionary, Deleting Elements from Dictionary, Properties of Dictionary keys, Operations in Dictionary, Built-In Dictionary Functions, Built-in Dictionary Methods</p> <p>Files: Text Files, The File Object Attributes, Directories</p> <p>Exceptions: Built-in Exceptions, Handling Exceptions, Exception with Arguments, User-defined Exceptions. Regular Expressions – Concept of regular expression, various types of regular expressions, using match function.</p>	20	
AUGUST	<p>Classes and Objects: Overview of OOP (Object Oriented Programming), Class Definition, Creating Objects, Instances as</p> <p>Arguments, Instances as return values, Built-in Class Attributes, Inheritance, Method Overriding, Data Encapsulation, Data Hiding</p> <p>Multithreaded Programming: Thread Module, creating a thread, synchronizing threads, multithreaded priority queue</p> <p>Modules: Importing module, Creating and exploring modules, Math module, Random module, Time module</p> <p>Creating the GUI Form and Adding Widgets: Widgets: Button, Canvas, Checkbutton, Entry, Frame, Label, Listbox, Menubutton, Menu, Message, Radiobutton, Scale, Scrollbar, text, Toplevel, Spinbox, PanedWindow, LabelFrame, tkMessageBox. Handling Standard attributes and Properties of Widgets. Layout Management: Designing GUI applications with proper Layout Management features.</p> <p>Look and Feel Customization: Enhancing Look and Feel of GUI using different appearances of widgets.</p> <p>Storing Data in Our MySQL Database via Our GUI : Connecting to a MySQL database from Python, Configuring the MySQL connection, Designing the Python GUI database, Using the INSERT command, Using the UPDATE command, Using the DELETE command, Storing and retrieving data from MySQL database.</p>	20	
SEPTEMBER	Revision	2	



Subject: DBMSClass : S.Y.B.Sc.(Information Technology)

DIV: _____

Faculty: Shaikh Sameer**FIRST TERM**

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JUNE	Introduction to Databases and Transactions What is database system, purpose of database system, view of data, relationaldatabases, database architecture, transaction management Data Models The importance of data models, Basic building blocks, Business rules, The evolutionof data models, Degrees of data abstraction. Database Design,ER Diagram and Unified Modeling Language Database design and ER Model:overview, ERModel, Constraints, ERDiagrams, ERDIssues, weak entity sets, Codd's rules, Relational Schemas, Introduction to UML	18	
JULY	Relational database model: Logical view of data, keys, integrity rules, Relational Database design: features of good relational database design, atomic domain and Normalization (1NF, 2NF, 3NF, BCNF). Relational Algebra and Calculus Relational algebra: introduction, Selection and projection, set operations, renaming,Joins, Division, syntax, semantics. Operators, grouping and ungrouping,relationalcomparison. Calculus: Tuple relational calculus, Domain relational Calculus, calculus vsalgebra,computational capabilities . III Constraints, Views and SQL Constraints, types of constrains, Integrity constraints, Views: Introduction to views, data independence, security, updates on views,comparison between tables and views SQL: data definition, aggregate function, Null Values, nested sub queries, Joined relations. Triggers.	18	
AUGUST	Transaction management and Concurrency Control Transaction management: ACID properties, serializability and concurrency control, Lock based concurrency control (2PL, Deadlocks),Time stamping methods, optimistic methods, database recovery management. PL-SQL: Beginning with PL / SQL,Identifiers and Keywords, Operators, Expressions, Sequences,Control Structures	18	
SEPTEMBER	Cursors and Transaction,Collections and composite data types, Procedures and Functions, Exceptions Handling,Packages,With Clause and Hierarchical Retrieval,Triggers.	6	


Subject: Data StructuresClass : S.Y.B.Sc.(Information Tecnology)

DIV: _____

Faculty: Hina Mahmood**FIRST TERM**

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
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<p style="text-align: center;">JUNE</p>	<p>Introduction: Data and Information, Data Structure, Classification of Data Structures, Primitive Data Types, Abstract Data Types, Data structure vs. File Organization, Operations on Data Structure, Algorithm, Importance of Algorithm Analysis, Complexity of an Algorithm, Asymptotic Analysis and Notations, Big O Notation, Big Omega Notation, Big Theta Notation, Rate of Growth and Big O Notation. Array: Introduction, One Dimensional Array, Memory Representation of One Dimensional Array, Traversing, Insertion, Deletion, Searching, Sorting, Merging of Arrays, Multidimensional Arrays, Memory Representation of Two Dimensional Arrays, General MultiDimensional Arrays, Sparse Arrays, Sparse Matrix, Memory Representation of Special kind of Matrices, Advantages and Limitations of Arrays.</p> <p>Linked List: Linked List, One-way Linked List, Traversal of Linked List, Searching, Memory Allocation and De-allocation, Insertion in Linked List, Deletion from Linked List, Copying a List into Other List, Merging Two Linked Lists, Splitting a List into Two Lists, Reversing One way linked List, Circular Linked List, Applications of Circular Linked List, Two way Linked List, Traversing a Two way Linked List, Searching in a Two way linked List, Insertion of an element in Two way Linked List, Deleting a node from Two way Linked List, Header Linked List, Applications of the Linked list, Representation of Polynomials, Storage of Sparse Arrays, Implementing other Data Structures.</p>	<p>12</p>	
<p style="text-align: center;">JULY</p>	<p>Stack: Introduction, Operations on the Stack Memory Representation of Stack, Array Representation of Stack, Applications of Stack, Evaluation of Arithmetic Expression, Matching Parenthesis, infix and postfix operations, Recursion.</p> <p>Queue: Introduction, Queue, Operations on the Queue, Memory Representation of Queue, Array representation of queue, Linked List Representation of Queue, Circular Queue, Some special kinds of queues, Deque, Priority Queue, Application of Priority Queue, Applications of Queues.</p> <p>Sorting and Searching Techniques Bubble, Selection, Insertion, Merge Sort. Searching: Sequential, Binary, Indexed Sequential Searches, Binary Search.</p> <p>Tree: Tree, Binary Tree, Properties of Binary Tree, Memory Representation of Binary Tree, Operations Performed on Binary Tree, Reconstruction of Binary Tree from its Traversals, Huffman Algorithm, Binary Search Tree, Operations on Binary Search Tree, Heap, Memory Representation of Heap, Operation on Heap, Heap Sort.</p>	<p>18</p>	
	<p>Advanced Tree Structures: Red Black Tree, Operations Performed on Red Black Tree, AVL Tree, Operations</p>	<p>18</p>	

AUGUST	<p>performed on AVL Tree, 23 Tree, B-Tree.</p> <p>Hashing Techniques Hash function, Address calculation techniques, Common hashing functions Collision resolution, Linear probing, Quadratic, Double hashing, Bucket hashing, Deletion and rehashing</p> <p>Graph: Introduction, Graph, Graph Terminology, Memory Representation of Graph, Adjacency Matrix Representation of Graph, Adjacency List or Linked Representation of Graph, Operations Performed on Graph, Graph Traversal, Applications of the Graph, Reachability, Shortest Path Problems, Spanning Trees.</p>		
SEPTEMBER			

Subject: Mobile Application Development
Faculty: RAFAT KHAN

Class : T.Y.B.Sc. (USCS503)

DIV: _____

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JUNE	<p>Introduction to Mobile Computing - Definition and general overview of Mobile and Cell Phone Technologies - CDMA, GSM, 3G, 4G, Types of mobile computing devices - PDA, Pagers, Mobiles, etc. History of mobile platforms - J2ME, BB, Android, Windows Mobile, Windows Phone, etc.</p> <p>The Android Platform: Introduction to the Android platform, Architecture, Android components, Development Tools – SDK, ADB, Gradle, etc. Installing Android Studio IDE, and developing first app.</p> <p>Activities and Lifecycle, Fragments and Intents - Working with</p> <p>Activities-creating activity, starting activity, managing life cycle of activity, applying themes and styles, displaying dialog in activity; Using Intents-exploring intent objects, resolution, filters passing data using objects in intents; Fragments, Intent Object to Invoke Built-in Application</p>	15	
JULY	<p>UI Design: Display Orientation, Views and ViewGroups, Layouts, Action Bars and Navigation Drawers, Android Layout Managers-LinearLayout, RelativeLayout, ScrollView, TableLayout, FrameLayout, Action Bar, Working with Views- TextView, EditText View, Button View, RadioButton View, CheckBox View, ImageButton View, ToggleButton View, RatingBar View UI Events: Understanding Android Events, Using the android:onClick Resource, Event Listeners and Callback Methods, Event Handling, The EventListener and Callback Method, Intercepting Touch Events, Implementing Common Gesture Detection</p>	16	



	<p>Data binding in applications - Introduction to data binding in Android, What is an Adapter?, Adapter Views - ListView Class, Spinner, Gallery View, AutoTextCompleteView, GridView</p> <p>Displaying Pictures and Menus with Views - Working with Image Views, Designing Context Menu for Image View, Embedding Web Browser in an Activity using WebView, Notifying the User</p> <p>Data Persistence - The Data Storage Options, Internal Storage, External Storage, Using the SQLite Database - CRUD, Working with Content Providers</p> <p>Networking in Android: Accessing the network, Permission to access the network, Checking Network Availability, Sending Email, consuming web services using HTTP</p> <p>Location-Based Services - Displaying Maps, Getting Location Data, monitoring a Location, Google Maps API, Using the Geocoder.</p>		
AUGUST	<p>Using Multimedia — Audio, Video, and the Camera Playing audio and video, recording audio and video, Using Camera for Taking Pictures, Using Media Player</p> <p>Telephony and SMS: Handling Telephony, Handling SMS, Sending SMS Using Intent</p> <p>Working with Bluetooth and Wi-Fi - BluetoothAdapter and Managing Wi-Fi connectivity using WifiManager</p> <p>Threads and Thread Handlers - Introduction to Threads, Worker threads - AsyncTask, interprocess communication and Services</p> <p>Working with Graphics and Animation: Working with Graphics, Using the Drawable Object, Using the ShapeDrawable Object, Concept of Hardware Acceleration, Working with Animations</p>	16	
SEPTEMBER	<p>Advanced Development - Cloud to Device Messaging using Google Firebase Cloud Messaging, Publishing the App, Best Practices for Performance.</p>	4	

Subject: .Net Technologies

Class : T.Y.B.Sc. (CS)

DIV: _____

Faculty Name: ZARI HAIDER ZAIDI

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JUNE	<p>Overview of .NET Framework, Objectives, Main components of .NET Framework and their overview, Types of Applications .NET Framework Architecture– CLR(Goal of CLR, Services/Features, Benefits, Managed Execution Process, Automatic memory Management), CTS(CTS Overview, Type Definitions, Type members, Different types of data such as class, delegates, pointers, arrays, interfaces), Meta Data, Structure of Metadata & Self Describing Components, Cross Language Interoperability & CLS, Assemblies(Assembly overview, Benefits, Contents, Types)</p>	14	



	Creating Web Sites : Working with Web Forms, Working with CSS in Visual Web Developer, ASP.NET Server Controls, Standard Controls, HTML Controls, Understanding ASP.NET State Engine.		
JULY	Introduction to Programming: Data Types and Variables, Statements, Methods: Functions and Subroutines. Consistent Page Layout with Master Pages, Using a Centralized Base Page. Structured Exception Handling : try, catch, finally blocks, throwing exceptions, Err object, Using masked Textboxes Navigation Controls- Architecture of the Navigation Controls, Menu Control, TreeView Control Validation Controls – Validations & Validator controls,	14	
AUGUST	ADO.NET: Data Provider Model, Direct Data Access - Creating a Connection, Select Command, DataReader, Disconnected Data Access Data Binding: Introduction, Single-Value Data Binding, Repeated-Value Data Binding, Data Source Controls – SqlDataSource, Other Data Controls, Working Together with Data Source and Data-bound Controls User Controls-Creating User Controls, Adding User Controls to a Content Page or Master Page LINQ -LINQ to Objects, LINQ to ADO.NET Introducing Query Syntax, Standard Query Operators, Shaping Data with Anonymous Types, Using Server Controls with LINQ Queries.	15	
SEPTEMBER	Caching : Introduction to Caching Data ,Different Ways to Cache Data in ASP.NET Web Applications Security-Identity, Authentication, Authorization, Using Login Controls , Configuring the Web Application AJAX in ASP.NET –Using ScriptManager, Partial refreshes, UpdatePanel, Triggers, Timed Refreshes Web Service – What is web service, ASP.NET Web services, Creating a simple web service, Consuming Web service	12	

Subject: Advanced Java Class : T.Y.B.Sc.(Computer Science)

DIV: _____

Faculty Name: **HINA MAHMOOD**

FIRST TERM

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JUNE	Swing Components – I: Introduction to JFC and Swing, Features of the Java Foundation Classes, Swing API Components, JComponent Class, Windows, Dialog Boxes, and Panels, Labels, Buttons, Check Boxes, Menus, Pane, JScrollPane, Desktop pane,	12	



	<p>Scrollbars, Lists and Combo Boxes, Text-Entry Components.</p> <p>Swing Components – II: Toolbars, Implementing Action interface, Colors and File Choosers, Tables and Trees, Printing with 2D API and Java Print Service API. Schedules Tasks using JVM, Thread-safe variables, Communication between threads.</p>		
JULY	<p>Event Handling: The Delegation Event Model, Event classes (ActionEvent, FocusEvent, InputEvent, ItemEvent, KeyEvent, MouseEvent, MouseWheelEvent, TextEvent, WindowEvent) and various listener interfaces (ActionListener, FocusListener, ItemListener, KeyListener, MouseListener, MouseMotionListener, MouseWheelListener, TextListener, WindowFocusListener, WindowListener</p> <p>JDBC: JDBC Introduction, JDBC Architecture, Types of JDBC Drivers, The Connectivity Model, The java.sql package, Navigating the ResultSet object's contents, Manipulating records of a ResultSet object through User Interface , The JDBC Exception classes, Database Connectivity, Data Manipulation (using Prepared Statements, Joins, Transactions, Stored Procedures), Data navigation.</p>	18	
AUGUST	<p>Networking with JAVA: Overview of Networking, Working with URL, Connecting to a Server, Implementing Servers, Serving multiple Clients, Sending E-Mail, Socket Programming, Internet Addresses, URL Connections. Accessing Network interface parameters, Posting Form Data, Cookies, Overview of Understanding the Sockets Direct Protocol. Introduction to distributed object system, Distributed Object Technologies, RMI for distributed computing, RMI Architecture, RMI Registry Service, Parameter Passing in Remote</p>	18	



	Methods, Creating RMI application, Steps involved in running the RMI application, Using RMI with Applets.		
SEPTEMBER			

Subject: Data Communication & Networking Class: **T.Y.B.Sc. (C.S.) Sem V** DIV: A
Faculty Name: SOHRAB VAKHARIA

FIRST TERM

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
June	<p>Introduction - Data Communication, Networks, Internet, Intranet, Protocols, OSI & TCP/IP Models, Addressing</p> <p>Physical Layer - Signals, Analog, Digital, Analog VS Digital, Transmission Impairment, Data Rate Limits, Performance</p> <p>Digital Transmission - Line Coding (Unipolar, Polar, Biphasic), Block Coding(4B/5B Encoding), Analog to digital conversion, PCM, Transmission Modes,</p> <p>Analog Transmission - Digital to analog conversion(ASK,FSK,PSK, QAM), Analog to Analog conversion</p>	12	
July	<p>Multiplexing - FDM, WDM, Synchronous TDM(time slots & frames, interleaving, data rate management),</p> <p>Spread Spectrum - FHSS, DSSS</p> <p>Transmission Media - Guided & Unguided</p> <p>Switching - Switching, Circuit-Switched Networks, Datagram networks, Concept of Virtual circuit networks, structure of circuit switch & packet switch, Concepts of DSL & ADSL</p> <p>Data Link Layer -Error correction & detection, Types of errors, Detection VS Correction, Block Coding, Hamming Distance, Linear Block codes(single parity check, codes, CRC Encoder & Decoder, CRC Polynomial & its degree, hamming codes), Cyclic Checksum</p>	16	



August	<p>Data Link Control & Protocols - Framing, Flow & Error Control, Simplest, Stop-N-Wait, Stop-N-Wait ARQ, Go Back N ARQ, Selective Repeat ARQ, Piggybacking HDLC & PPP-HDLC Modes, HDLC Frames, PPP, PPP Transition states</p> <p>Multiple Access - Random(CSMA), Controlled(Reservation, Polling, Token Passing), Channelization(FDMA, TDMA, CDMA)</p> <p>Wired LAN - LLC, MAC, Ethernet, Ethernet frame, Addressing, Concept of MBaseN Ethernet, Bridged, Switched, Full Duplex Ethernet, Concept of Fast & Gigabit Ethernet</p> <p>Wireless LAN - Introduction to WLAN(Architecture, Hidden, Exposed Station Problem), Introduction to Bluetooth & Architecture, Cellular telephony, Concept of 1G, 2G, 3G cellular telephony</p>	16	
September	<p>Connecting Devices - Repeaters, Hubs, Bridges, Spanning tree algorithm, Two & Three layer Switches, Routers, Gateways, Backbone networks, Concept of VLAN</p>	4	

Subject: Database Management using PL/SQL – I Class: **T.Y.B.Sc. (C.S.)**

Sem V DIV: A

Faculty Name: **Javed Pathan**

FIRST TERM

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
June	<p>Fundamentals of PL SQL Introduction to SQL Developer, Introduction to PL/SQL, PL/SQL Overview, Benefits of PL/SQL, Subprograms, Overview of the Types of PL/SQL blocks, Create a Simple Anonymous Block, Generate Output from a PL/SQL Block</p> <p>SQL Identifiers List the different Types of Identifiers in a PL/SQL subprogram, Usage of the Declarative Section to define Identifiers, Use variables to store data, Identify Scalar Data Types, The %TYPE Attribute, Bind Variables, Sequences in PL/SQL Expressions</p> <p>Write Executable Statements Describe Basic PL/SQL Block Syntax Guidelines, Comment Code, Deployment of SQL Functions in PL/SQL, Nested Blocks, Identify the Operators in PL/SQL.</p>	12	
July	<p>Conversion Functions: implicit and explicit data type conversion, Describe the TO_CHAR, TO_NUMBER, and TO_DATE conversion functions, Nesting multiple functions</p> <p>Control Structures: Conditional processing Using IF Statements, Conditional processing Using CASE Statements, Use simple Loop Statement, Use While Loop Statement, Use For Loop Statement, Describe the Continue Statement</p> <p>Composite Data Types Use PL/SQL Records, The %ROWTYPE Attribute, Insert and Update with PL/SQL Records, Associative Arrays (INDEX BY</p>	16	



	Tables), Examine INDEX BY Table Methods, Use INDEX BY Table of Records		
August	<p>Exception Handling Understand Exceptions, Handle Exceptions with PL/SQL, Trap Predefined Oracle Server Errors, Trap Non-Predefined Oracle Server Errors, Trap User-Defined Exceptions, Propagate Exceptions, RAISE_APPLICATION_ERROR Procedure</p> <p>Stored Procedures and Functions Understand Stored Procedures and Functions, Differentiate between anonymous blocks and subprograms, Create a Simple Procedures, Create a Simple Procedure with IN parameter, Create a Simple Function, Execute a Simple Procedure, Execute a Simple Function.</p> <p>Invoke SELECT Statements in PL/SQL to Retrieve data: Data Manipulation in the Server Using PL/SQL, SQL Cursor concept, Usage of SQL Cursor Attributes to Obtain Feedback on DML, Save and Discard Transactions.</p>	16	
September	<p>Explicit Cursors What are Explicit Cursors?, Declare the Cursor, Open the Cursor, Fetch data from the Cursor, Close the Cursor, Cursor FOR loop, Explicit Cursor Attributes, FOR UPDATE Clause and WHERE CURRENT Clause</p> <p>Collections Index-by tables or Associative array, Nested table, Variable-size array or Varray Strings, Date and Time functions, arrays</p>	4	

Subject: Linux Administration
Faculty: SAMEER SHAIKH

Class : T.Y.B.Sc. (IT)

DIV: _____

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JUNE	Introduction to UNIX, Linux, GNU and Linux distributions., The Linux System Administrator, Installing and Configuring Servers, Installing and Configuring Application Software, Creating and Maintaining User Accounts, Backing Up and Restoring Files, Monitoring and Tuning Performance, Configuring a Secure System, Using Tools to Monitor Security.Boot loaders-GRUB, LILO, Bootstrapping, Init process, rc scripts, Enabling and disabling services.Understanding the File System Structure, Working with Linux-Supported File Systems, Memory and Virtual File Systems, Linux Disk Management, Network Configuration Files.	15	
JULY	System Configuration Files: System wide Shell Configuration Scripts, System Environmental Settings, Network Configuration Files, Managing the init Scripts,Configuration Tool, Editing Your Network Configuration Understanding Network Classes, Setting Up a Network Interface Card (NIC), Understanding Subnetting, Working with Gateways and Routers, Configuring Dynamic Host Configuration Protocol, Configuring the Network Using	15	



	the Network NFS Overview, Planning an NFS Installation, Configuring an NFS Server, Configuring an NFS Client, Using Automount Services, Examining NFS Security Installing Samba, Configuring the Samba Server, Creating Samba Users 3, Starting the Samba Server, Connecting to a Samba Client, Connecting from a Windows PC to the Samba Server : Configuring a Time Server, Providing a Caching Proxy Server.		
AUGUST	Secure Services, SSH, scp, sftp Less Secure Services (Telnet ,FTP, sync,rsh ,rlogin,finger,talk and ntalk, Linux Machine as a Server, Configuring the xinetd Server, Comparing xinetd and Standalone, Configuring Linux Firewall Packages, Understanding DNS, Understanding Types of Domain Servers, Examining Server Configuration Files, Configuring a Caching DNS Server, Configuring a Secondary Master DNS Server, Configuring a Primary Master Server, Checking Configuration.	15	
SEPTEMBER	Tracing the Email Delivery Process, Mail User Agent (MUA), Introducing SMTP, Configuring Sendmail, Using the Postfix Mail Server, Serving Email with POP3 and IMAP, Maintaining Email Security Introducing vsftpd, Configuring vsftpd, Advanced FTP Server Configuration, Using SFTP. Introducing Apache, Configuring Apache,Implementing SSI, Enabling CGI, Enabling PHP, Creating a Secure Server with SSL, Administering Users and Groups Installing and Upgrading Software Packages.	15	

Subject: ADVANCE JAVA
Faculty: ARIF PATEL

Class : T.Y.B.Sc. (IT)

DIV: _____

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JUNE	Understanding Layout Manager. Swing: JColorChooser, JComboBox, JFileChooser, JInternalFrame, JLabel, JMenuBar, JOptionPane, JLayeredPane, JDesktopPane, JPanel, JPopupMenu, JProgressBar, JRootPane, JScrollbar, JScrollPane, JSeparator, JSlider, JSplitPane, JTabbedPane, JTable, JTableHeader, JToolBar, JToolTip, JTree, JViewport, JEditorPane, JTextPane, JTextArea, JTextField, JPasswordField, JButton, JMenuItem, JCheckBox-MenuItem, JRadioButton-MenuItem JCheckBox, JRadioButton, JMenu. JDBC: Design of JDBC, JDBC configuration, Executing SQL statement, Query Execution, Scrollable and updatable result sets, row sets, metadata, Transaction.	15	
JULY	Introduction to servlets: Need for dynamic content, java servlet technology, why servlets? Servlet API and Lifecycle: servlet API, servletConfig interface, ServletRequest and ServletResponse Interfaces, GenericServlet Class. ServletInputStream And ServletOutputStream Classes, RequestDispatcher Interface,HttpServlet Class, HttpServletRequest and HttpServletResponse Interfaces, HttpSession Interface, Servlet Lifecycle. Working with	20	



	servlets: organization of a web application, creating a web application(using netbeans) , creating a servlet, compiling and building the web application. JSP: Introduction, disadvantages, JSP v/s Servlets, Lifecycle of JSP, Comments, JSP documents, JSP elements, Action elements, implicit objects, scope, Character quoting conventions, unified expression language.		
AUGUST	Java server Faces: Need of MVC , what is JSF?, components of JSF, JSF as an application, JSF lifecycle, JSF configuration, JSF web applications (login form, JSF pages) EJB: Enterprise bean architecture, Benefits of enterprise bean, types of beans, Accessing beans , packaging beans, creating web applications, creating enterprise bean, creating web client, creating JSP file, building and running web application.	20	
SEPTEMBER	HIBERNATE: Introduction, Writing the application, application development approach, creating database and tables in MySQL, creating a web application, Adding the required library files, creating a java bean class, creating hibernate configuration and mapping file, adding a mapping resource, creating JSPs. STRUTS: Introduction, Struts framework core components, installing and setting up struts, getting started with struts.Revision	12	

Subject: ASP.NET with C#
Faculty: ZARI HAIDER ZARI

Class : T.Y.B.Sc. (IT)

DIV: _____

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JUNE	Review of .NET frameworks, Introduction to C#, Variables and expressions, flow controls, functions, debugging and error handling. OOPs with C#, Defining classes and class members. Assembly, Components of Assembly, Private and Shared Assembly, Garbage Collector, JIT compiler. Namespaces Collections, Delegates and Events.	17	
JULY	Introduction to ASP.NET 4: Microsoft.NET framework, ASP.NET lifecycle. CSS: Need of CSS, Introduction to CSS, Working with CSS with visual developer. ASP.NET server controls: Introduction, How to work with button controls. ASP.NET server controls: Textboxes, Labels, checkboxes and radio buttons, list controls and other web server controls, web.config and global.asax files. Programming ASP.NET web pages: Introduction, data types and variables, statements, organizing code, object oriented basics.	20	
AUGUST	Validation Control: Introduction, basic validation controls, validation techniques, using advanced validation controls. State Management: Using view state, using session state, using application state, using cookies and URL encoding. Master Pages: Creating master pages, content pages, nesting master pages, accessing master page controls from a content page. Navigation: Introduction to use the site navigation, using site navigation controls.	20	



	LINQ: Operators, implementations, LINQ to objects, XML,ADO.NET, Query Syntax. Database Controls.		
SEPTEMBER	ASP.NET Ajax: Introducing AJAX, Working of AJAX, Using ASP.NET AJAX server controls. JQuery: Introduction to JQuery, JQuery UI Library, Working of JQuery.	8	

Subject: Software Testing (Hina Mahmood)
DIV: _____

Class : T.Y.B.Sc. (Information Technology)

FIRST TERM

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
JUNE	Fundamentals of testing: Necessity of testing , what is it, Testing principles, Fundamental test process, The psychology of testing Testing throughout the software life cycle: Software development models, Test levels, Test types: the targets of testing, Maintenance testing	20	
JULY	Static techniques: Reviews and the test process, Review process, Static analysis by tools Test design techniques: Identifying test conditions and designing test cases, Categories of test design techniques, Specification-based or blackbox techniques, Structure-based or white-box techniques, Experience based techniques	20	
AUGUST	Test management: Test organization, Test plans, estimates, and strategies, Test progress monitoring and control, Configuration management, Risk and testing, Incident management Tool support for testing: Types of test tool, Effective use of tools: Potential benefits and	20	



	risks, Introducing a tool into an organization 10		
SEPTEMBER			

DR. Abbas Alam Rizvi

	<u>TEACHING PLAN 2017-18</u>					
Semester _____	Class _____		Division _____			
I	FYBA		A			
Subject/ Paper Name <u>URDU COMPULSORY</u>						
Month	Topics to be Covered					
June	Prose		Poetry	Ghazal	Rubaiyat	
July	Introduction		2 Poem	Sawda & Mir	Introduction	
August						
	3 lesson		2Poem	Dard & Ghalib	Amjad& Essay	
September - October						
	3 Lesson		2,Poems	Daagh &Shaad	Yaas &Essay	
Semester _ _____	Class _____		Division _____			
II	FYBA		A			
Subject/ Paper Name _____						
Month	Topics to be Covered					
November	Prose		Poetry	Ghazal		
	1 Lesson		1 Poem	2 Ghazal	Roodad Navisi	
December						
	2 Lesson		1 Poem	2 Ghazal	2 Rubaiyat	
January						
	2 Lesson		2 Poem	2 Ghazal	Roodad Navisi	
February-March						
	1 Lesson		2 Poem	2 Ghazal	2 Rubaiyat	



Semester _____		Class _____					
I		FYBA		A			
Subject/ Paper Name __URDU ANCILLARY							
Month	Topics to be Covered						
June							
Unit I	Definition and art of urdu Nazm & 4 Nazm of Iqbal						
July							
	History of gradual development of Urdu Nazm and life of Allama Iqbal and 6 Nazm of Iqbal						
August							
Unit 2 and 3	Personality and Art of Iqbal and Akhtar Sheerani . 4 Nazm of Akhtar Sheerani						
September - October							
Unit 3 and 4	6 nazm of Akhtar Sheerani & Revision ~~~~~						
Semester _____		Class _____		Division _____			
II		FYBA		A			
Subject/ Paper Name _____							
Month	Topics to be Covered						
November							
Unit 1 & 2	Definition of Art of urdu Afsana and History and gradual development Personality and Art of Munshi Prem Chand .						
December							
	Eight Afsana of Munshi Prem Chand						
January							
Unit 3	Personality and Art of Rajender Singh Bedi & 4 Afsana of Bedi						
February-March							
UNIT 4	4 Afsana of Rajendra Singh Bedi & Revision						

<u>TEACHING PLAN 2017-18</u>							
Semester _____		Class _____		Division _____			
III		SYBA		A			
Subject/ Paper Name __URDU :301 Muntakhab Ghazal							
Month	Topics to be Covered						



June							
	History of Urdu Ghazal & Life and Art of Fani Badayuni						
July							
	Ten Ghazal of Fani Badayuni						
August							
	Life and Art of Asghar Gondavi & 4 Ghazals of Asghar						
September-Oct							
	6 Ghazal of Asghar Gondavi & Revision						
Semester _____	Class _____		Division _____				
IV	SYBA		A				
Subject/ Paper Name _ URDU:401 Muntakhab Nazm							
Month	Topics to be Covered						
November							
	History and gradual development of Urdu Nazm & Life and Art Khaleelur Rehman Azmi.						
December							
	Ten Poem's of Khaleelur Rehman						
January							
	Life and art of Akhtarul Iman & 4 Poems						
February-March	06 Poem	of	Akhtarul	Rehman	& Revision		

	TEACHING PLAN 2017-18						
Semester _____	Class _____		Division _____				
III	SYBA		A				
Subject/ Paper Name __ URDU :302 Muntakhab khutoot							
Month	Topics to be Covered						
June							
	Definition and art of Urdu Khutoot and 03 khutoot of Mirza Ghalib						
July							
	History and types of Urdu khutoot. 03 khutoot of Mirza Ghalib Life and Art of Mirza Ghalib						
August							



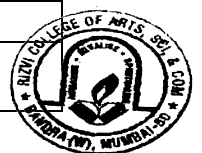
	Life and art of Sir Syed Ahmed & 01 Khat of Ghalib and 03 Khutoot of Sir Syed					
September.Oct	04 khutoot of Sir Syed & Revision					
Semester _____	Class _____		Division _____			
IV	SYBA		A			
Subject/ Paper Name _____ Urdu						
_____ Muntakhab _____ Safar nama _____						
Month	Topics to be Covered					
November						
	Definition and art of Urdu Safarnama. One safarnamaa of Mujtaba Husain					
	History and types of urdu safarnama . 03 safarnama					
December	Life and Art of Mujtaba Husain					
January						
	Life and art of Sughra Mahdi and 01 Safarnama					
	01 safarnama of Sughra Mahdi Revision					
February-March						

	<u>TEACHING PLAN 2017-18</u>					
Semester _____	Class _____		Division _____			
V	TYBA		A			
Subject/ Paper Name __URDU:501 Grammar and essay						
Month	Topics to be Covered					
June						
Unit I	Essay writing					
July						
	Ism and sifat					
Unit 2 and 3						
August						
	Zameer . Fael, murakkab and mushtaq alfaz					
Unit 3and 4						
September - October						
Unit 4 and 5	Aerab and Tajanees					
Semester _____	Class _____		Division _____			
VI	TYBA		A			
Subject/ Paper Name __ URDU:502						
Month	Topics to be Covered					



November							
Unit 1	Mabadeyate Arooz and usoole Taqti						
December							
Unit 2	Fane Tarjuma Nigari and Tarjume ka Irteqa and Zaroorat						
January							
Unit 3 and 4	Taqtee 6 meters and translation from English to Urdu						
February-March							
Unit 4 and 5	Translation from Urdu to English and Sanaye Badaye						

	<u>TEACHING PLAN 2017-18</u>						
Semester _____	Class _____		Division _____				
V	TYBA		A				
Subject/ Paper Name __Modern Urdu Poetry							
Month	Topics to be Covered						
June							
Unit I	Meaning , definition art kind technique historical and gradual developmment of urdu nazm and 5 poems						
July							
Unit 2	Taraqui pasand Tehreek (only Urdu poetry) and 5 poems						
August							
Unit 3	Faiz Ahmed Faiz – life, art and style of poetry writing and his 5 poems						
September - October							
Unit 4	Critical appreciation of poems and his 5 poems						
Semester _____	Class _____		Division _____				
VI	TYBA		A				
Subject/ Paper Name _ Modern Urdu Prose							
Month	Topics to be Covered						
November							
Unit 1	Meaning definition art and kind technique historical ad gradual development of Urdu novel						
December							
Unit 2	Ismat chughtai- Life art and style of novel writing						
January							
Unit 3	Critical appreciation and other aspects and other aspects of novel						



February-March							
Unit 4	Introduction and analysis of different characters and events of the novel ziddi						

<u>TEACHING PLAN 2017-18</u>							
Semester _____		Class _____		Division _____			
VI		TYBA		A			
Subject/ Paper Name __ Urdu Journalism							
Month	Topics to be Covered						
June							
Unit I	Fanne sahafat meaning definition art. Kind techniques and types						
July							
Unit 2	Khabar navisi, meaning and definition important features types Art of writing news sources of local news						
August							
Unit 3	Editorial ,interview, coloumn writing, book review						
September - October							
Unit 4	Principles of journalism ,layout . pagemaking, chief editorial and his team						
Semester _____		Class _____		Division _____			
VI		TYBA		A			
Subject/ Paper Name _ Urdu journalism							
Month	Topics to be Covered						
November							
Unit 1	History of journalism						
December							
Unit 2	Detailed study of urdu magazine- Tahzibul Akhlaque						
January							
Unit 3	Detailed study of urdu magazine- Shagoofa Hyderabad						
February-March							
Unit 4 and 5	Special study of journalist Maulana abul kalam azaad and Hasrat mohani						



Subject : Zoology

Class : F.Y. B.Sc

Semester I

Months	Topic to be covered
June	-
July	-
August	Biodiversity and its conservation.
September	Biodiversity and its conservation
October	Examination

Subject : Zoology

Class : F.Y. B.Sc

Semester II

Months	Topic to be covered
Novemeber	Population Ecology
December	Population Ecology
January	Population Ecology
February	Population Ecology

Subject : Zoology

Class : S.Y. B.Sc

Semester III

Months	Topic to be covered
June	Study of nutrition and excretion
July	Stud of nutrition and excretion,Control and coordination,locomotion and reproduction
August	Applied Zoology,Chromosomes and heredity
September	Chromosomes and heredity
October	Examination

Subject : Zoology

Class : S.Y. B.Sc

Semester IV

Months	Topic to be covered
Novemeber	Cell Biology
December	Cell Biology,Endo membrane System



January	Endomembrane system
February	Biomolecules

Subject : Zoology

Class : T.Y. B.Sc

Semester V

Months	Topic to be covered
June	Basic Hematology
July	Basic Hematology, Quality Control & Packaging
August	Oceanography
September	Crafts and gears
October	Examination

Subject : Zoology

Class : T.Y. B.Sc

Semester VI

Months	Topic to be covered
Novemeber	Homeostasis
December	Homeostasis
January	Marine fin fish of india
February	Marine shell fish of India

TEACHING PLAN: 2017 – 2018

Semester – I Class: F. Y. B. Sc

Division: PCM

Subject / Paper: I CALCULUS – I

Name: Prof. Dr. S. ARUNACHALAM

Department: MATHEMATICS

Month	Topics to be covered
June	-
July	The Real Number System
August	The Real Number system and Sequences
September	Sequences
October	Limits and Continuity



Semester – II Class: F. Y. B. Sc

Division: PCM

Subject / Paper I: CALCULUS – II

Month	Topics to be covered
November	Series
December	Series and Continuous Functions
January	Differentiation
February	Differentiation and Applications
March	Applications of Differentiation

TEACHING PLAN: 2017 – 2018

Semester – III Class: S. Y. B. Sc

Division: PM

Subject / Paper I: CALCULUS – III

Name: Prof. Dr. S. ARUNACHALAM

Department: MATHEMATICS

Month	Topics to be covered
June	-
July	Functions of Several Variables
August	Differentiation
September	Applications of Differentiation
October	Applications of Differentiation

Semester – IV Class: S. Y. B. Sc

Division: PM

Subject / Paper I: CALCULUS IV

Month	Topics to be covered
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November	Nested Intervals Theorem and Applications
December	Riemann Integration
January	Indefinite Riemann Integrals
February	Improper Riemann Integrals
March	Double Integrals

TEACHING PLAN: 2017 – 2018

Semester – III Class: S. Y. B. Sc

Division: PM

Subject / Paper III: INTRODUCTION TO COMPUTING AND PROBLEM SOLVING – I

Name: Prof. Dr. S. ARUNACHALAM

Department: MATHEMATICS

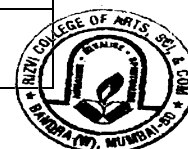
Month	Topics to be covered
June	-
July	Algorithms
August	Algorithms and Graphs
September	Graphs and Shortest Path Algorithm
October	Trees and Traversal Algorithm

Semester – IV Class: S. Y. B. Sc

Division: PM

Subject / Paper III: INTRODUCTION TO COMPUTING AND PROBLEM SOLVING – II

Month	Topics to be covered
November	Problem Solving Strategies
December	Python Prgramming Language
January	Iterations
February	Strings
March	Files Handling in Python



TEACHING PLAN: 2017 – 2018

Semester – I Class: F. Y. B. Com

Division: E

Subject / Paper: MATHEMATICAL AND STATISTICAL TECHNIQUES

Name: Prof. Dr. S. ARUNACHALAM

Department: MATHEMATICS

Month	Topics to be covered
June	-
July	Maths: Linear Programming Problem
August	Maths: Permutations and Combinations
September	Maths: Shares
October	Maths: Mutual Funds

Semester – II Class: F. Y. B. Com

Division: E

Subject / Paper: MATHEMATICAL AND STATISTICAL TECHNIQUES

Month	Topics to be covered
November	Maths: Derivatives
December	Maths: Applications of Derivatives
January	Maths: Applications of Derivatives
February	Maths: Simple and Compound Interest
March	Maths: Annuity

Teaching Plan 2017-18

Dr. Ashfaque Khan

TYBCOM

Div A/B/C/D

Sub: Marketing

SEM – V Paper

Com III



Month	Topic to be covered
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JUNE	Introduction to Marketing; Strategic Marketing; Recent trends in marketing; Challenges.
JULY	MIS; Marketing Research; Consumer Behavior; Market Segmentation.
AUG	Product Positioning; Marketing Mix; Product Decisions; Price Decision.
SEPT	Place/Physical Distribution; Promotion Decision; Integrated Marketing Communication.

Teaching Plan 2017-18

SYBCOM Div A/B/C/ Sub: Management SEM – III Paper: Com II

Month	Topic to be covered
JUNE	Introduction to Management; Principles, Functions, MIS, MBE
JULY	Planning and Decision Making
AUG	Organizing, Span of Control, Delegation & Departmentation
SEPT	CSR, Knowledge Management, Management of change, Corporate Governance, Stress Management

Teaching Plan 2016-17

FYBCOM Div A/B/C/D/E Sub: Commerce I SEM – I Paper: Com I

Month	Topic to be covered
JUNE	-----
JULY	Introduction to Business: Concept/Significance/Traditional & Modern
AUG	Objectives/Reconciliation of Objectives
SEPT	New trends in Business: LPG/ Restructuring/ Turnaround.

TEACHING PLAN: 2017 – 2018

Name of the Faculty: Dr. (Mrs.) Anjum Ara Ahmad

Department: Mathematics

Semester – I Class: F. Y. B. Com

Division: A, C & E

Subject / Paper: Mathematical and Statistical Techniques



Month	Topics to be covered
June	-

July	Statistics: Summarization of Measures
August	Statistics: Summarization of measures & Decision Theory
September	Statistics: Decision Theory & Probability
October	Statistics: Probability

Semester – II Class: F. Y. B. Com Division: A, C & E

Subject / Paper: Mathematical and Statistical Techniques

Month	Topics to be covered
November	Statistics: Correlation
December	Statistics: Regression
January	Statistics: Time Series analysis & Index Numbers
February	Statistics: Probability Distributions
March	Statistics: Probability Distributions

TEACHING PLAN: 2017 – 2018

Name of the Faculty: Dr. (Mrs.) Anjum Ara Ahmad

Department: Mathematics

Semester – I Class: F. Y. B. Com Division: B & D

Subject / Paper: Mathematical and Statistical Techniques

Month	Topics to be covered
June	----
July	Shares
August	Mutual Funds
September	Linear Programming Problem
October	Permutation & Combination

Semester – II Class: F. Y. B. Com Division: B & D

Subject / Paper: Mathematical and Statistical Techniques



Month	Topics to be covered
November	Maths: Derivatives
December	Maths: Applications of Derivatives
January	Maths: Applications of Derivatives
February	Maths: Simple and Compound Interest
March	Maths: Annuity

TEACHING PLAN 2017-18

Semester-III

Class- SYBCOM

Division- D

& SYBA

Month	Topics to be covered
June	HUMAN RIGHTS VIOLATIONS AND REDRESSAL.
July	DEALING WITH ENVIRONMENTAL CONCERNS
August	SCIENCE AND TECHNOLOGY I.
September- October	ASSIGNMENT COLLECTION AND SOFT SKILLS FOR EFFECTIVE INTERPERSONAL COMMUNICATIONS

Semester-IV

Class- SYBCOM

Division- D

& SYBA

Month	Topics to be covered
November	SIGNIFICANT RIGHTS OF CITIZENS.
December	ECOLOGY : APPROACHES, ETHICS AND ISSUES.
January	SCIENCE AND TECHNOLOGY.
February- March	ASSIGNMENT COLLECTION AND SOFT SKILLS FOR COMPETITIVE EXAMS



DEPARTMENT OF SOCIOLOGY
TEACHING PLAN FOR 2017-2018

SEM I AND SEM II

F.Y.B.A

Prof. Mariyah Gour

Prof. Shaikh Shahida

June	Nil	Nil
July	Unit I- Introduction to Sociology a. Developing Sociological Imagination b. Theoretical Perspectives	Unit II- Social Institutions a. Politics and Government b. Family: Changing Trends
August	c. Careers in Sociology Unit III- Culture a. Components of Culture	c. Religio Unit IV- New Social Media a. Social Dimensions- Social Networking
September	b. Cultural Universals and Differences, Ethnocentrism and Reality, Sub Cultural and Counterculture c. Are we prisoners of Culture	b. Economic Dimension: Marketing and Advertising Network c. Political Dimension: Social Networking and Elections
October	Exams	Exams

November	Unit I- Socialization a. Understanding Socialization b. The Self and Socialization	Unit II- Crime a. Perspectives on Crime: Theories (Strain Theory, Labeling Theory & Conflict Theory)
December	c. Anticipatory Socialization, Gender Socialization, Resocialization, Political Socialization	b. Cyber Crime: Types, Control, Regulation and Laws c. Trafficking: Women and Children
January	Unit III- Leisure Tourism a. Adventure Tourism b. Eco Tourism: Friend or Foe?	Unit IV- Environment a. Importance of Ecological consciousness
February	c. Rural Tourism and Urban Tourism	b. Urban Ecology c. Eco- Feminism
March	Exams	Exams



DEPARTMENT OF SOCIOLOGY

TEACHING PLAN FOR 2017-2018

SEM III AND SEM IV

Month	S.Y.B.A 301	S.Y.B.A 302
June	Unit I Indian Sociological Perspectives a. Indology and Structure--functionalism (G. S. Ghurye, M. N. Srinivas) b. Dialectical approach to Sociology (A. R. Desai, D.P. Mukerjee)	UNIT I DEMOGRAPHY a. Nature, Scope and Significance b. Fertility, Mortality, Nuptiality (Concept and factors) c. Declining Sex Ratio (Causes and Measures)
July	c. Non- Brahmanical Approach (Dr. B.R. Ambedkar, Mahatma Phule) Unit II Contemporary Sociologists a. Sharmila Rege (Gender) b. Leela Dube (Kinship)	UNIT II MIGRATION a. Definition Meaning and Characteristics b. The Right to the City- Henry Lefebvre c. Patterns of Migration: Case study of Mumbai
August	c. T. K. Oommen (Religion) Unit III Contemporary Challenges in Indian Society a. Strategies of caste mobilisation b. Resurgence of Ethnic identities c. Gender and Marginalization	UNIT III HEALTH a. Right to Health Care (Women and Children) b. Disability Rights Act 2016 (Differently abled) c. Surrogacy and Politics of Reproduction
September	Unit IV Socio- Cultural Landscape of Maharashtra a. Regional diversity and communities in Maharashtra b. Tourism in Maharashtra – Economy and Society c. Food Culture intertwined with different cultural identities	UNIT IV CRIME AND JUSTICE a. Right to Health Care (Women and Children) b. Disability Rights Act 2016 (Differently abled) c. Surrogacy and Politics of Reproduction
October	Exams	Exams

Month	S.Y.B.A 401	S.Y.B.A 402
November	UNIT I Understanding Development a. Nature, Scope and Significance b. Fertility, Mortality, Nuptiality (Concept and factors) c. Declining Sex Ratio (Causes and Measures)	UNIT I JOURNALISM a. Journalism Studies: An Overview b. Journalists as Gatekeepers- Ethics in Journalism c. Women Journalists
December	UNIT II Measuring Development a. Indicators of Development – Human Development Index (HDI) b. Survey and Case Study as Methods of	UNIT II WOMEN ENTREPRENEURSHIP a. Meaning of Entrepreneurship, Role and Attributes of an Entrepreneur



	Data Collection c. Questionnaire as a Technique of Data Collection	b. Women in different fields as entrepreneurs at the grass root level: Business, Food c. Challenges and Opportunities
Jananuary	UNIT III Globalization and the Crisis of Development a. Land Displacement b. Forest Rights Act 2006 and its impact on the tribal community c. Resistance Movements –	UNIT III URBAN GOVERNANCE a. Plan and Growth of Smart Cities-Critique - Case Study (Kochi) Kerala, (Jaipur) Rajasthan b. Lack of availability of Open Spaces c. Street Vendors and Hawkers- The Street Vendors Act 2014
February	UNIT IV Alternative approaches to Development i) Delhi Mumbai Industrial Corridor (DMIC) ii) Jaitapur (Nuclear power) iii) Raigad & Gorai (SEZs) iv) Water Rights (Sangli)	UNIT IV GERIATRIC CARE a. Phenomenon of Population Ageing b. Old Age Home, Senior Citizens Association, Day Care Center c. Geriatric Care: Government and non-governmental initiatives in India Reading
Mararch	Exams	Exams

DEPARTMENT OF SOCIOLOGY

TEACHING PLAN FOR 2017-2018

SEM V AND SEM VI

Month	T.Y.B.A 501	T.Y.B.A 502
June	Unit I- Durkheim	Unit I- Basic Concepts
July	Unit II- Parson's and Merton	"Do"
August	Unit III- Conflict Theories	Unit II- Nature of Indian Work and Workers
September	Unit IV- Interactionist Perspective	Unit III- Industrial Restructuring
October	Exams	Exams

Month	T.Y.B.A 601	T.Y.B.A 602
November	Unit I- The Early Period	Unit I- Organization of Work
December	Unit II- Functionalism	Unit II- Workers in Informal Sector
Jananuary	Unit III- The Modern Period	"Do"
February	Unit IV- Research Trends	Unit III- Safeguard for Informal Sector Workers
Mararch	Exams	Exams

Month	T.Y.B.A 503	T.Y.B.A 504
June	Unit I- Basic Concepts	Unit I- Over view of HRD



July	“Do”	Unit II- Recruitment, Selection and Performance Appraisal
August	Unit II- Perspectives	“Do”
September	Unit III- History of Womens Struggle	Unit III – Issues and Challenges in HRD
October	Exams	Exams

Month	T.Y.B.A 603	T.Y.B.A 604
November	Unit I- Violence Against Women	Unit I- Organizational Structure
December	“Do”	Unit II- Organizational Planning and Development
Jananuary	Unit II- Alternative Sexuality	“Do”
February	Unit III- Protest and Resistance	Unit III- Leadership and Conflict Resolution
Mararch	Exams	Exams

Month	T.Y.B.A 505	T.Y.B.A 506
June	Unit I- Concepts and Theoretical Approaches	Unit I- Quantitative Research
July	“Do”	“Do”
August	Unit II- Environment and Development	Unit II- Significance Aspects of Quantitative Research
September	Unit III- Environmental Politics	Unit III- Quantitative Data Analysis
October	Exams	Exams

Month	T.Y.B.A 605	T.Y.B.A 606
November	Unit I- Environmental Problems: Rural India	Unit I- Qualitative Research
December	Unit II- Environmental Problems: Urban India	“Do”
Jananuary	“Do”	Unit II- Qualitative Approach to Enquiry
February	Unit III- Women and Environment	Unit III- Methods and Techniques of Data Collection
Marach	Exams	Exams



TEACHING PLAN 2017-18(FY B.Com)

DEPARTMENT OF ENVIRONMENTAL STUDIES

SEMESTER I

1. JULY 2017 UNIT I – Environment and Eco System
2. AUGUST 2017 UNIT II – Natural Resources and Sustainable Development
3. SEPTEMBER 2017 UNIT III – Population and Emerging Issues Of Development

UNIT V – World Map – Thematic

4. OCTOBER 2017 UNIT IV - Urbanization And Environment

UNIT V - World Map - Map Filling

SEMESTER II

1. NOVEMBER 2017 UNIT I – Waste Management For Sustainable Society

UNIT V – Mumbai Map

2. DECEMBERE 2017 UNIT II – Agriculture And Industrial Development

UNIT V – Mumbai Map

3. JANUARY 2018 UNIT III – Tourism And Environment

UNIT V – Konkan Map

4. FEBRUARY 2018 UNIT IV - Environmental Movements And Management

5. MARCH 2018 UNIT V – Mumbai And Konkan Map

TEACHING PLAN 2017-18

Semester - I

Class - FYBSc

Division - A

Subject/ Paper Name - Botany - I



Month	Topics to be Covered
June	
July	Algae Fungi

August	Algae Fungi Bryophytes
September - October	Bryophytes

Semester - II

Class - FYBSc

Division - A

Subject/ Paper Name - Botany - I

Month	Topics to be Covered
November	Pteridophytes Angiosperms
December	Pteridophytes Angiosperms
January	Gymnosperms
February-March	Gymnosperms

TEACHING PLAN 2017-18

Semester – I

Class - FYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
June	
July	Cell Biology Ecology
August	Cell Biology Ecology Genetics
September - October	Genetics



Semester - II

Class - FYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
November	Anatomy
December	Anatomy Physiology
January	Medicinal Botany Physiology
February-March	Medicinal Botany

TEACHING PLAN 2017-18

Semester - III

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - I

Month	Topics to be Covered
June	Algae
July	Algae Bryophytes
August	Bryophytes Angiosperms
September - October	Angiosperms

Semester - IV

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - I

Month	Topics to be Covered
November	Fungi Plant Pathology
December	Lichens Pteridophyte



January	Lichen Pteridophyte
February-March	Palaeobotany Gymnosperm

TEACHING PLAN 2017-18

Semester - III

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
June	Instrumentation and Techniques
July	Instrumentation and Techniques Cytogenetics
August	Cell Biology Cytogenetics
September - October	Cell Biology

Semester - IV

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
November	Anatomy
December	Anatomy Physiology
January	Physiology Ecology & Environmental Botany
February- March	Plant Biochemistry Ecology & Environmental Botany



TEACHING PLAN 2017-18

Semester - III

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - III

Month	Topics to be Covered
June	Pharmacognosy Forestry
July	Phytochemistry Forestry
August	Economic Botany Molecular Biology
September - October	Economic Botany Molecular Biology

Semester - IV

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - III

Month	Topics to be Covered
November	Horticulture Biostatistics
December	Horticulture Biotechnology
January	Biotechnology Bioinformatics
February- March	Bioinformatics

TEACHING PLAN 2017-18

Semester - V

Class - TYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
June	Palaeobotany Anatomy I
July	Palaeobotany



	Anatomy I
August	Palynology Angiosperms I
September - October	Palynology Angiosperms I

Semester - VI

Class - TYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
November	Gymnosperms Embryology
December	Gymnosperms Embryology
January	Angiosperms II Anatomy II
February-March	Angiosperms II Anatomy II

TEACHING PLAN 2017-18

Semester - V

Class - TYBSc

Division - A

Subject/ Paper Name - Botany - III

Month	Topics to be Covered
June	Physiology I Biostatistics
July	Physiology I Biostatistics
August	Cytology Environmental Botany
September - October	Molecular Biology Environmental Botany



Subject/ Paper Name - Botany - III

Month	Topics to be Covered
November	Physiology II Horticulture
December	Physiology II Cosmetology
January	Genetics Bioinformatics
February-March	Genetics Bioinformatics

TEACHING PLAN 2017-18**Semester-III****Class- SYBCOM****Division- A, B, C & D**

Month	Topics to be covered
June	Introduction to macro economics, Circular Flow of Income: Closed (two and three sector models) and Open Economy, Models, Trade Cycles: Features and Phases , Measurement of National Income
July	Says law of market, Consumption function, Investment function, Investment Multiplier-Working, assumption, reverse operation and leakages of Multiplier
August	Phillips Curve – Causes, Effects and Measures to Control Inflation, IS-LM Model: Framework, Impact of Fiscal and Monetary Policy Changes, Stagflation
September-October	Supply of Money: Concept, Constituents and Determinants of Money Supply Velocity of Circulation of Money: Meaning and Factors Determining .Keynes' Theory of Demand for Money , Liquidity Preference Theory of Rate of Interest , Inflation: Concept and Rate of Inflation – Demand Pull and Cost Push Inflation

Semester-IV**Class- SYBCOM****Division- A, B, C & D**

Month	Topics to be covered
November	New Economic Policy 1991: Rationale and Key Policy Changes, Trends in National Income and Per Capita Income, Sectoral Composition of National Income and Occupational Structure , Inclusive Growth, Progress of Human Development Index in India (Post 1991): Health, Gender Related Development and Economic Indicators
December	Government Policy with respect to Education and Health, Recent Trends in Employment, Problems of Unemployment, Trends in Agricultural Production and Productivity, New Agricultural Policy, 2000, and Recent Policy Measures, Public



	Distribution System and Food Security , WTO and Indian agriculture
January	Industrial Development since 1991: Growth and Diversification , MRTP and Competition Act, Comprehensive Policy Package for SSIs, 2000 and Recent Policy Measures, Service Sector: Growth & Performance since 1991, Banking Sector Reforms since 1991: Rationale and Measures, Structure of Banking in India
February-March	Performance of Commercial Banks, Developmental and Promotional Functions of RBI ,RBI's Recent Measures of Money Supply , Inflation: Trends and Causes , Recent Changes in Monetary Policy in India.

TEACHING PLAN 2017-18

Semester-V

Class- TYBCOM

Division- A, B & C

Month	Topics to be covered
June	Concept of Public Finance: Meaning, Scope and Functions, Distinction between Public and Private Finance- Principles of Maximum Social Advantage: Dalton & Musgrave versions-Modern Trends in Public Finance: Sound Finance v/s Functional Finance, Redistributive Taxation, Anti-Inflationary Taxation
July	Public Revenue : Sources of Revenue (Tax & Non – Tax Revenue) – Merits and Demerits of Direct & Indirect Tax- Impact and Incidence of Taxation, Public Expenditure: Classification and Causes of increase in Public Expenditure
August	Budget and Types of Budget - Public Debt :Types, Burden and Management - Concepts of deficit- FRBM Act 2003 - Fiscal Federalism: Concept & Key Issues
September-October	Money Markets – Components - Features of Indian Money Market – Money Market Reforms in India since 1991. Capital Markets – Meaning, Role, Structure and Reforms in India since 1991

Semester-VI

Class- TYBCOM

Division- A, B & C

Month	Topics to be covered
November	Theories of International Trade: Comparative Cost Theory, Heckscher Ohlin Theory, Terms of Trade: Meaning & Types – Gains from Trade (with Offer Curves)
December	Concept & Structure of BOP, Causes of Disequilibrium, Measures to Correct Disequilibrium in BOP- India's BOP Position since 1991- WTO Agreements with reference to TRIPS, TRIMS and GATS
January	Concept of Foreign Exchange Market: Functions and Dealers - Exchange Rate Systems - Spot and Forward Exchange Rate - Hedging, Arbitrage and Speculation, Exchange Rate Determination -Purchasing Power Parity Theory
February-March	Role of Central Banks in Foreign Exchange Market -RBI's Intervention in Foreign Exchange Rate Management Since 1991 (stages)



TEACHING PLAN 2017-18

Semester-I Class- FYBCOM Division- A, B, C, D & E

Month	Topics to be covered
July	Scope and importance of business economics, basic tools in economics, opportunity cost principle, incremental and marginal concepts, basic economic relation and functional relation. Market demand and market supply curves and equilibrium, nature of demand curve in different markets.
August	types and measurement of elasticity of demand, relationship between EOD and revenue concepts, meaning, types and methods of demand forecasting, case studies
September	Production function- short run and long run, law of variable proportion, law of returns to scale, isoquants- types and properties, ridge lines and least cost combination of inputs, cost concepts, case studies
October	Cost output relationship in the short run and long run, LAC and learning curve, break-even analysis, case studies

Semester-II Class- FYBCOM Division- A, B, C, D & E

Month	Topics to be covered
November-December	Types of Market structure, short run and long run equilibrium of a firm and industry under perfect competition and monopoly, sources of monopoly power, monopolistic elements and equilibrium of a firm under monopolistic competition, excess capacity and inefficiency- case studies
January	Key attributes of oligopoly market, collusive and non-collusive oligopoly, price rigidity, cartels and price leadership, cost-plus pricing, marginal cost pricing
February	Mark-up pricing, discriminating pricing, transfer pricing, product pricing, case studies, meaning, importance and steps involve in capital budgeting
March	Payback period, net present value , internal rate of return method, case studies

DEPARTMENT OF BUSINESS LAW

TEACHING PLAN FOR 2017-2018

SEM III AND SEM IV

SYBCom (A, B, C, D)

Month	S.Y.B.Com
	<u>SEM III</u>
June	Module I - India Contract Act, 1872 Part - 1
July	Module II - India Contract Act, 1872 Part - 2



August	Module III - Special Contracts
September	Module IV - Sale of Goods Act 1930 Module V - Negotiable Instruments Act, 1881
October	SEMISTER III EXAM
	<u>SEM IV</u>
Nov	Module I - Companies Act, 2013 Part - 1
Dec.	Module II - Companies Act, 2013 Part - 2
Jan.	Module III - Indian Partnership Act, 1932 Module IV - Consumer Protection Act, 1986
Feb.	Module IV - Competition Act 2002 Module V - Intellectual Property Rights
March	SEMISTER IV EXAM

Faculty Teaching the Courses S.Y.B.Com. Prof. Roshan Khobragade

DEPARTMENT OF FOUNDATION COURSE

TEACHING PLAN FOR 2017-2018

SYBSc - SEM III AND SEM IV

Month	S.Y.B.sc
June	Unit 1 - Human Rights Violations And Redressal.
July	Unit 2 - Dealing With Environmental Concerns.
August	Unit 3 - Science And Technology I.
September	Unit 4 - Soft Skills For Effective Interpersonal Communication.
October	SEMISTER III EXAM
November	Unit 1 - Significant, Contemporary Rights Of Citizens .
December	Unit 2 - Approaches To Understanding Ecology .
January LIABILITY	Unit 3 - Science And Technology –II.
February	Unit 4 - Introduction To Competitive Exams.



March	SEMISTER IV EXAM

Teaching plan 2017-18

Semester V Class: T.Y.B.COM Division: D

Subject/ Paper Name : BUSINESS MANAGEMENT III

Months	Topics to be covered
June	Marketing management – need n importance, functions, micro and macro environment Bottom of pyramid, internal marketing environment.
July	Competition and strategic marketing – SWOT,Porters five force model
August	Product – definition, product level, product life cycle, consumer goods classification and industrial goods classification.
September – October	Pricing – meaning and objectives Factors affecting pricing decision Method of pricing – Steps in pricing

Semester:VI Class : T.Y.B.COM Division : D

Subject/ Paper Name :

Months	Topics to be covered
November	Distribution- types of middlemen, channel decisions, logistics, E- Marketing , online retailing.
December	Promotion – promotion mix, social media



January	Buyer behavior - decision, factors, steps
February – March	Services and rural marketing –scenario in india, challenges and strategies

Teaching plan 2017-18

Semester V Class: T.Y.B.COM Division: D

Subject/ Paper Name Business Management I

Months	Topics to be covered
June	Management – definition & characteristics, Development of management thought & theory.
July	Planning , forecasting , decision making Characteristics, merits & demerits of planning, classification and components of planning
August	Essential of good plan, MBO, Departmentalization, formal & informal organization ,SBU, Matrix, delegation of authority , Organizational hierarchy- charts, virtual organization.
September – October	Human resource management, recruitment n selection, training & development ,performance appraisal REVISION

Semester: V I Class : T.Y.B.COM Division : D

Subject/ Paper Name Business Management I

Months	Topics to be covered



November	Direction and Leadership – barriers in communication, ethical issues in using social media for communication, qualities of good leader, styles of leadership
December	Transactional & transformational leaders Co-ordination , theories of motivation- Maslow’s, Herzberg, McGregor
January	Controlling ,designing modern MIS, ERP
February – March	Challenges in organizational growth, Change management, Conflict Management. REVISION

Teaching plan 2017-18

Semester : III Class: S .Y.B.COM Division: A&D

Subject/ Paper Name : ACCOUNTING AND FINANCIAL MANAGEMENT

Months	Topics to be covered
June	Amalgamation of Firm A,D
July	Amalgamation of Firm A,D
August	Piece-meal distribution D
September – October	Conversion A

Semester: IV Class : S.Y.B.COM Division :A& D

Subject/ Paper Name: ACCOUNTING AND FINANCIAL MANAGEMENT



Months	Topics to be covered
November	Fire insurance claims D
December	Redemptions of preference shares A,D
January	Redemptions of debentures A,D
February – March	

Teaching plan 2017-18

Semester : V Class: T.Y.B.COM Division: A,B,C

Subject/ Paper Name : FINANCIAL ACCOUNTING

Months	Topics to be covered
June	Amalgamation of companies
July	Internal Reconstruction
August	Investment Accounting
September – October	Final Account Of Companies

Semester: VI Class : T.Y.B.COM Division :A,B,C



Months	Topics to be covered
November	Final Account Of Co-Operative Society
December	Profit Prior To Incorporation
January	Valuation of goodwill and shares and foreign currency
February – March	Buyback Of Shares

TEACHING PLAN FOR 2017-2018

Department of Sociology

Asst. Prof. Shaikh Shahida

SEM I and SEM II

Month	F.Y.B.A
	101-Foundations Of Sociology
June	–
July	Unit II- Social Institutions
	a. Politics and Government
	b. Family: Changing Trends
August	c. Religion
	Unit IV- New Social Media
	a. Social Dimensions- Social Networking



September	b. Economic Dimension: Marketing and Advertising Network c. Political Dimension: Social Networking and Elections
October	Exams
Month	F.Y.B.A
November	102-Fundamentals Of Sociology Unit II- Crime a. Perspectives on Crime: Theories (Strain Theory, Labeling Theory & Conflict Theory)
December	b. Cyber Crime: Types, Control, Regulation and Laws c. Trafficking: Women and Children
January	Unit IV- Environment a. Importance of Ecological consciousness
February	b. Urban Ecology c. Eco- Feminism
March	Exams

SEM I and SEM II Foundation Course

Month	F.Y.B.A
	Foundation Course-I
June	—
July	Unit I- An Overview Of Indian Society
August	Unit II-Concept Of Disparity ;due to stratification and inequality Unit III-Concept Of Disparity ; due to caste system and inter-group conflict
September	Unit IV- Indian Constitution Unit V- Significant aspects of Political Processes
October	Project submission and Exam



Month	F.Y.B.A
November	Unit I- Globalization And Indian Society Unit II- Human Rights
December	Unit III- Ecology Unit IV-Understanding Stress and Conflict
January	Unit V- Managing Stress and Conflict in Contemporary Society
February	Project Submission
March	Exam

SEM III AND SEM IV

Month	S.Y.B.A
	302- Contemporary Issues In Indian Society
June	Unit I- Demography
July	Unit II- Migration
August	Unit III- Health
September	Unit IV-Crime And Justice
October	Exams

Month	S.Y.B.A
	401-Sociology Of Development
November	Unit I-Understanding Development
December	Unit II-Measuring Development
January	Unit III-Globalization and the Crisis of Development
February	Unit IV-Alternative approaches to



	Development
March	Exams

SEM III AND SEM IV Foundation Course

Month	S.Y.B.A Foundation Course II
June	Unit II- Dealing With Environmental Concerns
July	A- Concept Of Disaster and Effects Of Disaster
August	B- Some Locally relevant case studies. C- Dealing with Disaster
September	D- Human Rights Issues In Addressing Disaster
October	Exam

Month	S.Y.B.A
November	Unit II- Approaches To Understanding Ecology
December	B- Environmental Principles –I
January	C- Environmental Principles –II
February	Revision
March	Exam

SEM V AND SEM VI

Month	T.Y.B.A 502- Sociology Of Work
June	Unit I- Basic Concepts
July	Cont. Unit I



August	Unit II- Nature of Indian Work and Workers
September	Unit III- Industrial Restructuring
October	Exams

Month	T.Y.B.A
	602- Sociology Of Informal Sector
November	Unit I- Organization of Work
December	Unit II- Workers in Informal Sector
January	Cont. Unit II
February	Unit III- Safeguard for Informal Sector Workers
March	Exams

Month	T.Y.B.A
	504- Sociology Of Human Resource Development /505- Environment and Society
June	Unit I- Over view of HRD
July	Unit II- Recruitment, Selection and Performance Appraisal
August	Unit II- Environment and Development
September	Unit III – Issues and Challenges in HRD
October	Exams

Month	T.Y.B.A
	604- Sociology Of Organizations / 605- Environmental Concerns In India
November	Unit I- Organizational Structure
December	Unit II- Organizational Planning and Development



January	Unit II- Environmental Problems- Unit III- Women and Environment
February	Unit III- Leadership and Conflict Resolution
March	Exams

DEPARTMENT OF CHEMISTRY

TEACHING PLAN FOR 2017-2018

Faculty Teaching the Courses F.Y.B.Sc. Paper I DR. N. A. Jafry
SEM I Chemistry

Month	F.Y.B.Sc
	Paper I
June	-
July	Atomic Structure
August	Periodic Table and Periodicity
September	Comparative Chemistry of Main Group Elements Chemical Thermodynamics I
October	Chemical Calculations

SEM II Chemistry

Month	F.Y.B.Sc
	Paper I
November	Gaseous State
December	Chemical Equilibria and Thermodynamic Parameters
January	Concept of Qualitative Analysis Acid Base Theories
February	Chemical Bond and Reactivity
March	Oxidation Reduction Chemistry

DEPARTMENT OF CHEMISTRY

TEACHING PLAN FOR 2017-2018

Faculty Teaching the Courses T.Y.B.Sc. Paper IV DR. N. A. Jafry
SEM V Chemistry



Month	T.Y.B.Sc
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	Paper IV
June	Treatment of analytical data I Sampling
July	Separation Techniques II Paper, TLC, HPLC, HPTLC
August	Atomic Spectroscopy, AES & AAS Molecular Fluorescence & Phosphorescence Spectroscopy
September	Turbidimetry and Nephelometry Titrimetric Analysis
October	Solvent Extraction Spectrophotometry

SEM VI Chemistry

Month	T.Y.B.Sc
	Paper IV
November	Chromatographic Techniques II GC, Ion Exchange & Size Exclusion
December	Thermal Methods Radio Analytical Methods
January	Food and Cosmetics Introduction to Food Chemistry Cosmetics
February	Electro Analytical Techniques Potentiometric Titrations Polarography
March	Amperometric Titrations





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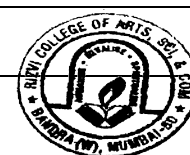
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Khan Suhana Begum

Teaching Plan Format:

Semester	Months	Topic Covered
June, 2017- November, 2018	FYBBI June July August September October November	Business Communication-I -- Module I-Theory of Communication Module II-Obstacles to Communication in Business World Module II- Obstacles to Communication in Business World Module III-Business Correspondence Module IV, Revision-Language and Writing Skills Revision of Module I, II, III, IV
	FYBMS-A June July August September October November	Business Communication-I -- Module I-Theory of Communication Module I, II-Theory of Communication Obstacles to Communication in Business World Module II-Obstacles to Communication in Business World Module III, IV-Business Correspondence Language and Writing Skills Module IV, Revision-Language and Writing Skills Revision of Module I, II, III, IV
	FYBMS-B June July August September October November	Business Communication-I -- Module I-Theory of Communication Module I, II-Theory of Communication Obstacles to Communication in Business World Module II-Obstacles to Communication in Business World Module III, IV-Business Correspondence Language and Writing Skills Module IV, Revision-Language and Writing Skills Revision of Module I, II, III, IV
	SYBMS (C) June July August September October November	Recruitment And Selection Module I-Recruitment Module II-Selection Module III-Induction Module IV-Soft Skills Revision- Module I, II, III Revision-IV
	TYBBI June	Strategic Management Module I-Strategic Management an Overview



	July August September October November	Module II- Strategic Management Environment Module III-Levels of Strategies and Analysis Module IV-Activating Strategy and Implementaion Module V-Strategic Evaluation and Control Revision-Module I, II, III, IV
Semester II	Months	Topic Covered
December, 2017- April, 2018	FYBBI November December January February March April May	Business Communication-II Module I-Presentation Skills Module II-Group Communication Module II-Group Communication, Module III- Business Correspondence Module III & IV-Business Correspondence, Language and Writing Skills Module IV & Revision- Language and Writing Skills, Revision Module I&II Revision- Module III, IV
	FYBAF November December January February March April May	Business Communication-II Module I-Presentation Skills Module II-Group Communication Module II-Group Communication, Module III- Business Correspondence Module III & IV-Business Correspondence, Language and Writing Skills Module IV & Revision- Language and Writing Skills, Revision Module I&II Revision- Module III, IV
	SYBMS (A,B&C) November December January February March April May	Business Research Methods Module I-Introduction to Business Research Methods Module I, II- Introduction to Business Research Methods, Data Collection and Processing Module II-Data Collection and Processing Module III-Data Analysis and Interpretation Module III, IV- Data Analysis and Interpretation, Advanced Techniques in Report Writing Module IV, Revision- Advanced Techniques in Report Writing Revision of Module I, II Revision- III, IV
	TYBBI November December January February March April May	Marketing in Banking and Insurance Module I-Introduction to Marketing Module I&II-Introduction to Marketing, Introduction to Service Marketing Module II-Introduction to Service Marketing, Module III & IV-Consumer Behaviour, Rural Marketing Module IV& V-Rural Marketing, E-Marketing Module V & Revision-E-Marketing, Revision Module I, II Revision-Module III, IV



Teaching Plan Format:

Semester	Months	Topic Covered
III	2018-19	<u>Management Accountancy</u>
	June	1) Introduction to Management Accountancy
	June/July	2) Analysis and Interpretation of Financial Statements
	July/Aug	3) Ratio Analysis and Interpretation
	Aug	4) Working Capital Management
	Sep	5) Capital Budgeting
IV	2018-19	<u>Auditing</u>
	Nov	1) Auditing Concepts
	Nov/Dec	2) Auditing Planning Procedure & Documentation
	Jan	3) Auditing Techniques
	Feb	4) Vouching
	Mar	5) Verification
V	2018-19	<u>Accountancy</u>
	Jul/ Aug	1) Preparation of Financial Accounts of Limited Company
	Aug/Sep	2) Buy Back of Shares
VI	2018-19	<u>Accountancy</u>
	Nov/Dec	1) Accounting of Foreign Currency Transactions
	Jan/Feb	2) Liquidation of Companies
	Mar	3) Underwriting of Share & Debentures
<p>**The Syllabus for all the semesters was completed as per months given above. Even Revision was conducted after completion of topic or syllabus.</p>		

Anand Ramkrishna Deshpande

Teaching Plan Format:

Semester	Months	Topic Covered
FYBMS	Nov	Unit I
Industrial	Dec	Unit I completed and Unit II Started.
laws	Jan	Unit II completed and Unit III Started
	Feb	Unit III Completed and Unit IV Started
II	Mar	Unit IV completed
	April	Revision
SYBMS	Nov	Unit I
Human	Dec	Unit II
resource	Jan	Unit III



planning and information system IV	Feb Mar April	Unit IV Projects Revision
FYBBI Business Law II	Nov Dec Jan Feb Mar April	Unit I Unit II Unit III Unit IV Projects Revision
FYBAF Business Law II	Nov Dec Jan Feb Mar April	Unit I Unit II Unit III Unit IV Projects Revision

NITESH JOSHI

Teaching Plan Format:

Semester	Months	Topic Covered
Semester - I	June-July	ECOLOGY
	August	ECOLOGY
	September -October	ECOLGOY
Semester ii	November	PHYSIOLOGY
	December	PHYSIOLOGY
	January	PHYSIOLOGY
	February- March	PHYSIOLOGY
Sem iii	June	ANGIOSPERMS
	July	ANGIOSPERMS
	August	PHARMACOGNOSY



	September -October	PHARMACOGNOSY
Sem iv	November	PHYSIOLOGY
		PHYSIOLOGY
	December	ECOLOGY
	January	ECOLOGY
	February- March	ECOLOGY
SEM V	June	PLANT ECOLOGY
	July	PLANT ECOLOGY
	August	PHYSIOLOGY
	September -October	PHYSIOLOGY
SEM VI	November	TAXONOMY
	December	PHYSIOLOGY
	January	PHYSIOLOGY
	February- March	PHYSIOLOGY

Abbas Alam Rizvi

<u>TEACHING PLAN 2018-19</u>						
Semester _____	Class _____	Division _____				
I	FYBA	A				
Subject/ Paper Name __URDU COMPULSORY 101						
Month	Topics to be Covered					
June	Prose		Poetry	Ghazal	Rubaiyat	
July	Introduction		2 Poem	Sawda & Mir	Introduction	
August	3 lesson		2Poem	Dard & Ghalib	Amjad& Essay	
September - October						
	3 Lesson		2,Poems	Daagh &Shaad	Yaas &Essay	
Semester _ _____	Class _____	Division _____				



II		FYBA		A		
Subject/ Paper Name __Urdu compulsory 201_____						
Month	Topics to be Covered					
November	Prose		Poetry	Ghazal		
	1 Lesson		1 Poem	2 Ghazal	Roodad Navisi	
December						
	2 Lesson		1 Poem	2 Ghazal	2 Rubaiyat	
January						
	2 Lesson		2 Poem	2 Ghazal	Roodad Navisi	
February-March						
	1 Lesson		2 Poem	2 Ghazal	2 Rubaiyat	

Semester _____	Class _____					
I		FYBA		A		
Subject/ Paper Name __URDU ANCILLARY 102_____						
Month	Topics to be Covered					
June						
Unit I	Definition and art of urdu Nazm & 4 Nazm of Iqbal					
July						
	History of gradual development of Urdu Nazm and life of Allama Iqbal and 6 Nazm of Iqbal					
August						
	Personality and Art of Iqbal and Akhtar Sheerani . 4 Nazm of Akhtar Sheerani					
Unit 2 and 3						
September - October						
Unit 3 and 4	6 nazm of Akhtar Sheerani & Revision`~~~~~`					
Semester _____	Class _____		Division _____			
II		FYBA		A		
Subject/ Paper Name URDU ANCILLARY 202_____						
Month	Topics to be Covered					
November						
Unit 1 & 2	Definition of Art of urdu Afsana and History and gradual development					



	Personality and Art of Munshi Prem Chand .
December	
	Eight Afsana of Munshi Prem Chand
January	
Unit 3	Personality and Art of Rajender Singh Bedi & 4 Afsana of Bedi
February-March	
UNIT 4	4 Afsana of Rajendra Singh Bedi & Revision

	<u>TEACHING PLAN 2018-19</u>					
Semester _____	Class _____	Division _____				
III	SYBA	A				
Subject/ Paper Name	__URDU :301 Muntakhab Ghazal					
Month	Topics to be Covered					
June						
	History of Urdu Ghazal & Life and Art of Fani Badayuni					
July						
	Ten Ghazal of Fani Badayuni					
August						
	Life and Art of Asghar Gondavi & 4 Ghazals of Asghar					
September-Oct						
	6 Ghazal of Asghar Gondavi & Revision					
Semester _____	Class _____	Division _____				
IV	SYBA	A				
Subject/ Paper Name	_ URDU:401 Muntakhab Nazm					
Month	Topics to be Covered					
November						
	History and gradual development of Urdu Nazm & Life and Art Khaleelur Rehman Azmi.					
December						
	Ten Poem's of Khaleelur Rehman					



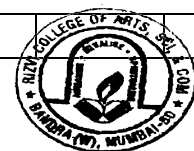
January						
	Life and art of Akhtarul Iman & 4 Poems					
February-March	06 Poem	of	Akhtarul	Rehman	& Revision	

Signature of HOD/ Incharge

Signature of faculty

TEACHING PLAN 2018-19						
Semester _____	Class _____		Division _____			
III	SYBA		A			
Subject/ Paper Name __URDU :302 Muntakhab khutoot						
Month	Topics to be Covered					
June	Definition and art of Urdu Khutoot and 03 khutoot of Mirza Ghalib					
July	History and types of Urdu khutoot. 03 khutoot of Mirza Ghalib Life and Art of Mirza Ghalib					
August	Life and art of Sir Syed Ahmed & 01 Khat of Ghalib and 03 Khutoot of Sir Syed					
September.Oct	04 khutoot of Sir Syed & Revision					
Semester _____	Class _____		Division _____			
IV	SYBA		A			
Subject/ Paper Name _____ Urdu _____402 _____ Muntakhab __Safar nama _____						
Month	Topics to be Covered					
November	Definition and art of Urdu Safarnama. One safarnamaa of Mujtaba Husain					
December	History and types of urdu safarnama . 03 safarnama Life and Art of Mujtaba Husain					
January	Life and art of Sughra Mahdi and 01 Safarnama					
February-March	01 safarnama of Sughra Mahdi Revision					

TEACHING PLAN 2018-19						
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Semester _____	Class _____	Division _____		
V	TYBA	A		
Subject/ Paper Name __URDU:501 Essay, Translation Grammar				
Month	Topics to be Covered			
June				
Unit I	Essay writing			
July				
Unit 2 and 3	Ism and sifat			
August				
Unit 3 and 4	Zameer . Fael, murakkab and mushtaq alfaz			
September - October				
Unit 4 and 5	Aerab and Tajanees			
Semester _____	Class _____	Division _____		
VI	TYBA	A		
Subject/ Paper Name __URDU 601 Essay, Translation, and Grammar				
Month	Topics to be Covered			
November				
Unit 1	Mabadeyate Arooz and usoole Taqti			
December				
Unit 2	Fane Tarjuma Nigari and Tarjume ka Irteqa and Zaroorat			
January				
Unit 3 and 4	Taqtee 6 meters and translation from English to Urdu			
February-March				
Unit 4 and 5	Translation from Urdu to English and Sanaye Badaye			

TEACHING PLAN 2018-19				
Semester _____	Class _____	Division _____		
V	TYBA	A		
Subject/ Paper Name __Modern Urdu Poetry 502				
Month	Topics to be Covered			
June				
Unit I	Meaning , definition art kind technique historical and gradual development of urdu nazm and 5 poems			
July				
Unit 2	Taraqui pasand Tehreek (only Urdu poetry) and 5 poems			



August							
Unit 3	Faiz Ahmed Faiz – life, art and style of poetry writing and his 5 poems						
September - October							
Unit 4	Critical appreciation of poems and his 5 poems						
Semester _____	Class _____		Division _____				
VI	TYBA		A				
Subject/ Paper Name _ Modern Urdu Prose 602							
Month	Topics to be Covered						
November							
Unit 1	Meaning definition art and kind technique historical ad gradual development of Urdu novel						
December							
Unit 2	Ismat chughtai- Life art and style of novel writing						
January							
Unit 3	Critical appreciation and other aspects and other aspects of novel						
February-March							
Unit 4	Introduction and analysis of different characters and events of the novel ziddi						

TEACHING PLAN 2018-19							
Semester _____	Class _____		Division _____				
V	TYBA		A				
Subject/ Paper Name __ Urdu Journalism 503							
Month	Topics to be Covered						
June							
Unit I	Fanne sahafat meaning definition art. Kind techniques and types						
July							
Unit 2	Khabar navisi, meaning and definition important features types Art of writing news sources of local news						
August							
Unit 3	Editorial ,interview, coloumn writing, book review						
September - October							
Unit 4	Principles of journalism ,layout . pagemaking, chief editorial and his team						
Semester _____	Class _____		Division _____				
VI	TYBA		A				
Subject/ Paper Name _ Urdu journalism 603							
Month	Topics to be Covered						



November							
Unit 1	History of journalism						
December							
Unit 2	Detailed study of urdu magazine- Tahzibul Akhlaque						
January							
Unit 3	Detailed study of urdu magazine- Shagoofa Hyderabad						
February-March							
Unit 4 and 5	Special study of journalist Maulana abul kalam azaad and Hasrat mohani						

Teaching Plan Format:

Subject : Zoology

Class : F.Y. B.Sc

Semester I

Months	Topic to be covered
June	-
July	-
August	Biodiversity and its conservation.
September	Biodiversity and its conservation
October	Examination

Subject : Zoology

Class : F.Y. B.Sc

Semester II

Months	Topic to be covered
Novemeber	Ecosystem
December	Ecosystem
January	Ecosystem
February	Ecosystem

Subject : Zoology

Class : S.Y. B.Sc

Semester III

Months	Topic to be covered
June	Study of nutrition and excretion



July	Stud of nutrition and excretion,Control and coordination,locomotion and reproduction
August	Control and coordination,locomotion and reproduction
September	Ethology
October	Examination

Subject : Zoology

Class : S.Y. B.Sc

Semester IV

Months	Topic to be covered
Novemeber	Cell Biology
December	Cell Biology,
January	Pollution and its Effect on Organisms
February	Biomolecules

Subject : Zoology

Class : T.Y. B.Sc

Semester V

Months	Topic to be covered
July	Basic Hematology,
August	Oceanography
September	Crafts and gears
October	Examination

Subject : Zoology

Class : T.Y. B.Sc

Semester VI

Months	Topic to be covered
Novemeber	Homeostasis



December	Homeostasis
January	Marine fin fish of india
February	Marine shell fish of India

Dr. Ranade Abhay J.

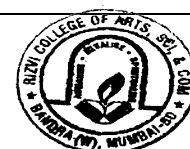
Teaching Plan Format:

Semester	Months	Topic Covered
Ist / IIIrd / Vth ODD SEM.	June	SY :----- TY :----- FY:-----
	July	SY. : P(II) U(II) Oscillators. P (II) U (II) Biophysics. TY -- P(IV) U(i): Electrical Properties., Fermi Functions
	August	FY – PAPER (I) U (II) : Optics. Lenses. + Interference. SY – P(II)U(II) Operational Amplifiers. TY – U(II) Superconductivity, Band Theory. ,Magnetic Properties.
	September/ October	FY – Optics-Aberration SY - P(III)U(III) Problems, P (II)U(II) Biophysics TY –TY. P (III) ATOMIC PHYSICS , P(II), Unit-IV -Conduction in Semiconductors.
IIInd / IVth / Vth EVEN SEM.	November	{ SEMESTER END EXAMINATIONS }
	December	FY – PAPER I UNIT (I) Vector Algebra., Revision. SY – PAPER I Unit- (I) Diffraction Fresnel. P(III) U (III) TY – PAPER IV Unit-I–Relativistic Kinematics.
	January	FY – PAPER I IUNIT (I.) Gradient, Divergence, Curl. SY – PAPER i Unit (I)Diffraction Fraunhofer. TY – PAPER IV –Unit-II Relativistic Dynamics.
	February- March	FY – PAPER - I, Unit- I) Gradient, Divergence, Curl. Cont..... SY – PAPER – I, Unit (I) Geoenvironmental sci. Geology, Geophysics P(II), U (III) Applications of Schrodinger’s Eqn. TY – PAPER IV-U-III Relativity & Electromagnetism. Geometric Minkowski Relativity.

ARIF PATEL

Teaching Plan Format:

Semester	Months	Topic Covered
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I	July	Introduction to Python;
I	August	Fundamentals; Functions in Python
I	September	Functions; dictionary
I	October	Tuples; Object Oriented Programming
III	June	Java language features
III	July	Fundamentals; OOPs, Multithreading; Exception Handling
III	August	I/O; Collection classes; Inner classes
III	September	AWT
III	June	Automata theory
III	July	Formal languages
III	August	Regular languages; context-free languages
III	September	Push-down automata; Turing machine
V	June	Introduction to AI
V	July	Intelligent Agents; problem-solving
V	August	Learning from examples
V	September	Learning from examples; learning probabilistic models
IV	December	Introduction to algorithm; Asymptotic analysis
IV	January	Trees, Graphs
IV	February	Greedy Algorithms; Divide and Conquer strategy
IV	March	Dynamic Programming
IV	December	Introduction to Java; Fundamentals
IV	January	Control flow; OOP features
IV	February	Multithreading; I/O streams
IV	March	Event Handling; AWT; Layouts
II	December	Principles of OOP
II	January	Classes and Objects; Constructors
II	February	Polymorphism; Inheritance
II	March	Templates; working with files
II	December	Data, Variables, operators; iterations
II	January	Arrays, input output; functions
II	February	Recursion, pointers



II	March	Structures, unions, file handling
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CA.Ashfaque Karim

Teaching Plan Format:

Semester	Months	Topic Covered
II	Oct-Apr	FYBcom: Accountancy and Financial Management
VI	Oct-Apr	TYBcom: Cost Accounting

Bhaswati Parasar

TEACHING PLAN 2018-19

CLASS: FYBA SEMESTER: I DIVISION:A

Subject - ENGLISH LITERATURE PAPER I

Name: Fiction and Short Stories

Month Topics to be covered

June -

July Literary terms and short stories:
a. Poe's The Tale Tell Heart
b. Munro's: The Open Window

August Short stories: O Henry's: The Last Leave
Katherine Mansfield's: The Doll's House

September-October Novel: Pride and Prejudice

CLASS: FYBA SEMESTER : II DIVISION: A

Subject: ENGLISH LITERATURE II

Name: Drama and Poetry

Month Topics to be covered

November Literary Terms

December Poetry

January Poetry

February-March Drama: Shakespeare's TEMPEST

Semester: II Class: FYB Com Division: A/B/C/

Subject/Name of paper: Business Communication

Month Topics to be covered



November	Group Communication – Chapter1, 2 and 3
December	Group Communication – Chapter 4 and 5
January	Business Correspondence
February	Business Correspondence, Language skills
March	Language and Writing skills

Semester III Class: SYBA Division: A

Subject: English Literature Paper III – American Literature (Short story and Novel)

Month	Topics to be covered
June	Literary Terms
July	Literary Terms
August	Short stories
September	Short stories & Novel – Old Man and the Sea
October	Novel – Old Man and the Sea

Semester: IV Class: SYBA Division: A

Subject: English Literature Paper III – American Literature (Poetry and Drama)

Month	Topics to be covered
November	Literary Terms
December	Literary Terms
-----January	
Poetry	
February	Poetry and Drama – Death of a Salesman
March	Drama – Death of a Salesman

Dr. Alkama Faqih

Teaching Plan Format:

Subject : Botany

Class : F.Y.B.Sc.

Semester I

<i>Months</i>	<i>Topic to be covered</i>
June	-
July	-
August	Paper I – Unit III : Bryophyta
September	Paper I – Unit II : Fungi
October	Paper II – Unit I : Cell Biology

Subject : Botany

Class : F.Y.B.Sc.

Semester II



<i>Months</i>	<i>Topic to be covered</i>
November	Paper I – Unit I : Pteridophytes
December	Paper I – Unit II : Gymnosperms
January	Paper I – Unit III : Angiosperms
February	Paper II – Unit III : Medicinal Botany

Subject : Botany

Class : S.Y.B.Sc.

Semester III

<i>Months</i>	<i>Topic to be covered</i>
June	Paper I – Unit I : Thallophyta
July	Paper III – Unit III : Industry based on Plant Products Paper I – Unit II : Angiosperms
August	Paper I – Unit III : Modern Techniques to study Plant Diversity Paper II – Unit III : Molecular Biology
September	Paper II – Unit I : Cell Biology
October	-

Subject : Botany

Class : S.Y.B.Sc.

Semester IV

<i>Months</i>	<i>Topic to be covered</i>
November	Paper I – Unit I : Thallophyta
December	Paper I – Unit II : Pteridophytes and Palaeobotany
January	Paper I – Unit III : Gymnosperms Paper III – Unit I : Horticulture and Gardening
February	Paper III – Unit III : Bioinformatics

Subject : Botany

Class : T.Y.B.Sc.

Semester V

<i>Months</i>	<i>Topic to be covered</i>
July	Paper III – Unit I : Cytology and Molecular Biology
August	Paper II – Unit I : Palaeobotany
September	Paper II – Unit IV : Palynology Paper II – Unit II : Angiosperms I
October	-

Subject : Botany

Class : T.Y.B.Sc.

Semester VI

<i>Months</i>	<i>Topic to be covered</i>
November	Paper II – Unit I : Angiosperms II
December	Paper II – Unit III : Embryology
January	Paper II – Unit III : Embryology Paper III – Unit IV : Bioinformatics
February	Paper III – Unit IV : Bioinformatics

Dr Anjum Ara Ahmad

Semester	Months	Topic Covered
I	July- August	Mathematics : Shares & Mutual Fund



		Statistics : Measures of Central Tendency & Dispersion
	September	Mathematics : Linear Programming Problem Statistics : Elementary Probability and Probability Distribution
	October	Mathematics : Permutation & Combination Statistics : Decision Theory
II	November-December	Mathematics : Derivatives & Application Statistics : Correlation & Regression
	January	Mathematics : Interest Statistics : Index Numbers & Time Series
	February-March	Mathematics : Annuity Statistics : Binomial, Poisson & Normal Distribution

DR. S. ARUNACHALAM

Teaching Plan: Copy Attached

*Attach Syllabus completion report along with teaching method.

KHAN ASHFAQ AHMAD

Months	Topics to be covered
June	NA
July	Module I- Introduction to Business
August	Introduction to Business
September – October	Business Environment

Semester: III Class : S.Y.B.COM Division :A, B & C
Subject/ Paper Name: Com III (Management)

Months	Topics to be covered
June	Module I
July	Module I & II



Aug	Module II & III
Sept	Module IV

Semester : V Class: T.Y.B.COM Division: A & B
 Subject/ Paper Name :Com V (Marketing)

Months	Topics to be covered
June	Amalgamation of companies
July	Internal Reconstruction
August	Investment Accounting
September – October	Final Account Of Companies

Mrs.Farhana Khalidwali

Teaching Plan Format:

*Attach Syllabus completion report along with teaching method.

Semester	Months	Topic Covered-Paper-III
V	June	Organic Synthesis
V	July	Organic synthesis + Natural Products
V	August	Natural Products + Spectroscopy-I
V	September	Spectroscopy-I + Solving University Papers
V	October	Spectroscopy-I + Solving University Papers
VI	November	Carbohydrates
VI	December	Carbohydrates + Amino acids & Proteins
VI	January	Amino acids & Proteins + Nucleic acids
VI	February	Spectroscopy-II
VI	March	Spectroscopy-II + Solving University Papers

Semester	Months	Topic Covered-Paper-V
V	June	Preparation of Dye intermediates
V	July	Unit Processes



V	August	Unit Processes
V	September	Colour and Chemical constitution
V	October	Solving Papers on Unit V
VI	November	Classification of Dyes
VI	December	Synthesis of selected Dyes
VI	January	Synthesis of selected Dyes
VI	February	Health & Environmental Hazards of synthetic Dyes
VI	March	Solving Papers

DR.SHADAB SYED

Teaching Plan Format:

Semester	Months	Paper	Topic Covered
I	July-October	I	UNIT I- Over view of Indian society UNIT II- Concept of disparity UNIT III- Concept of disparity UNIT IV- The Indian constitution UNIT V- Significant aspects of political processes
II	November-February	I	UNIT I- Globalization and Indian society UNIT II- Human rights UNIT III- Ecology UNIT IV- Understanding stress and conflict UNIT V- Managing stress and conflict in contemporary society
III	June-September	II	UNIT I- human rights violations and redressal UNIT II- Dealing with environmental concerns UNIT III- Science and technology UNIT IV- Soft skills for effective interpersonal communication UNIT V- Understanding issues of right to health and education
IV	November-February	II	UNIT I- Significant rights of citizens UNIT II- Ecology: Approaches, Ethics & Issues UNIT III- Science & Technology: Significant modern technologies UNIT IV- Introduction to competitive exams UNIT V- Urban-rural disparities in development

Zaidi Zari Haider

Teaching Plan Format:

Semester	Months	Topic Covered
V	June	.NET frameworks, Introduction to C#, OOPs with C#, ASP.NET lifecycle.
V	July	CSS, ASP.NET server controls,



V	Aug	web.config and global.asax files, Validation Control, state management
V	Sep	Master page, AJAX, LINQ, ADO.NET
III	June	Automata Theory,DFA and N DFA
III	July	Formal Languages: Languages and Automata
III	Aug	Regular Sets and Regular Grammar,Context Free Languages
III	Sep	Pushdown Automata, Linear Bound Automata, Turing Machines, Undecidability
I	July	Python Introduction, Python Basic, Data types
I	Aug	Conditional statements, logic , loops, arrays
I	Sep	List , tuple, function of python.
V	June	.NET frameworks, Introduction to C#, OOPs with C#, ASP.NET lifecycle.
V	July	CSS, ASP.NET server controls,C# Advanced topics
V	Aug	web.config and global.asax files, Validation Control, state management
V	Sep	Master page, AJAX, LINQ, ADO.NET
VI	Nov	Intellectual Property: Protection of Intellectual Property
VI	Dec	Copyright, patent,trade mark,design right, domain name , scpa, wipo treaty,
VI	Jan	Defences for infringement of IP, Assignment of IP
VI	Feb	Cyber crime, cyber law, IT Act 2000, and amendment Act 2008.
IV	Nov	Web design, intro to xml and PHP, XSLT
IV	Dec	AJAX, programming with AJAX
IV	Jan	Xml and PHP with mysql
IV	Feb	jQuery and its functions
II	Nov	Python File Input-Output: Exception handling:
II	Dec	Regular Expressions: AND GUI Programming
II	Jan	Database connectivity in Python:
II	Feb	Network connectivity: Socket module
II	Nov	ADT,Arrays, Set and Set Map
II	Dec	Algorithm analysis , Complexity of algorithm , Searching and Sorting:



II	Jan	Linked Structures: Stack, queue, Advanced linked list
II	Feb	Recursion: Hash Table: Advanced Sorting: Binary Trees:

Dr. Malan Zardi

Teaching Plan Format:

Semester-I Class- FYBCOM Division- A,B,C & E

Month	Topics to be covered
July	Scope and importance of business economics, basic tools in economics, opportunity cost principle, incremental and marginal concepts, basic economic relation and functional relation. Market demand and market supply curves and equilibrium, nature of demand curve in different markets.
August	types and measurement of elasticity of demand, relationship between EOD and revenue concepts, meaning, types and methods of demand forecasting, case studies
September	Production function- short run and long run, law of variable proportion, law of returns to scale, isoquants- types and properties, ridge lines and least cost combination of inputs, cost concepts, case studies
October	Cost output relationship in the short run and long run, LAC and learning curve, break-even analysis, case studies

Semester-II Class- FYBCOM Division- A,B,C and E

Month	Topics to be covered
November-December	Types of Market structure, short run and long run equilibrium of a firm and industry under perfect competition and monopoly, sources of monopoly power, monopolistic elements and equilibrium of a firm under monopolistic competition, excess capacity and inefficiency- case studies
January	Key attributes of oligopoly market, collusive and non-collusive oligopoly, price rigidity, cartels and price leadership, cost- plus pricing, marginal cost pricing
February	Mark-up pricing, discriminating pricing, transfer pricing, product pricing, case studies, meaning, importance and steps involve in capital budgeting
March	Payback period, net present value , internal rate of return method, case studies

Semester-III Class- SYBCOM Division- A

Month	Topics to be covered
June	Introduction to macro economics, Circular Flow of Income: Closed (two and three sector models) and Open Economy, Models, Trade Cycles: Features and Phases , Measurement of National Income
July	Says law of market, Consumption function, Investment function, Investment Multiplier-Working, assumption, reverse operation and leakages of Multiplier
August	Phillips Curve – Causes, Effects and Measures to Control Inflation, IS-LM Model: Framework, Impact of Fiscal and Monetary Policy Changes, Stagflation
September-October	Supply of Money: Concept, Constituents and Determinants of Money Supply Velocity of Circulation of Money: Meaning and Factors Determining .Keynes' Theory of Demand for Money , Liquidity Preference Theory of Rate of Interest , Inflation: Concept and Rate of Inflation – Demand Pull and Cost Push Inflation

Semester-IV Class- SYBCOM Division- A

Month	Topics to be covered
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November	Efficiency, Productive and Allocative efficiency, producer surplus and consumer surplus
December	Principle of maximum social advantage, market, Market failure, Causes and Role of Government to correct Market failure
January	Sources of revenue, Direct and Indirect taxes, objectives of taxation, Tax base and Tax rate, Canon of Taxation, Impact, Incidence and Shifting of Taxation
February	Public expenditure, Classification, Causes, Theories on Public expenditure, Public debt
March	Management of Public debt, fiscal policy, concepts of deficit, structure of Union budget, types of budget, Fiscal federalism, Fiscal decentralization, centre-state fiscal relation

Semester-V Class- TYBCOM Division- A and B

Month	Topics to be covered
June	NEP 1991, Social Infrastructure, Government programmes to promote health and Education, Sustainable development goals, FDI
July	NAP 2000, Agricultural Finance, Agriculture Marketing, Agricultural Pricing
August	Industrialisation, Competition Act 2000, Disinvestment Policy, MSME Sector, Service sector
September	Banking Sector, Insurance Sector, Capital market and Money Market

Semester-VI Class- TYBCOM Division- A and B

Month	Topics to be covered
November	Theories of International Trade: Comparative Cost Theory, Heckscher Ohlin Theory, Terms of Trade: Meaning & Types – Gains from Trade (with Offer Curves)
December	Concept & Structure of BOP, Causes of Disequilibrium, Measures to Correct Disequilibrium in BOP- India's BOP Position since 1991- WTO Agreements with reference to TRIPS, TRIMS and GATS
January	Concept of Foreign Exchange Market: Functions and Dealers - Exchange Rate Systems - Spot and Forward Exchange Rate - Hedging, Arbitrage and Speculation, Exchange Rate Determination -Purchasing Power Parity Theory
February- March	Role of Central Banks in Foreign Exchange Market -RBI's Intervention in Foreign Exchange Rate Management Since 1991 (stages)

Mariyah Gour-Ghori

Teaching Plan Format:

DEPARTMENT OF SOCIOLOGY
TEACHING PLAN FOR 2018-2019
SEM I AND SEM II
F.Y.B.A

Prof. Mariyah Gour

June	Nil
July	Unit I- Introduction to Sociology a. Developing Sociological Imagination



	b. Theoretical Perspectives
August	c. Careers in Sociology Unit III- Culture a. Components of Culture
September	b. Cultural Universals and Differences, Ethnocentrism and Reality, Sub Cultural and Counterculture c. Are we prisoners of Culture
October	Exams

November	Unit I- Socialization a. Understanding Socialization b. The Self and Socialization
December	c. Anticipatory Socialization, Gender Socialization, Resocialization, Political Socialization
January	Unit III- Leisure Tourism a. Adventure Tourism b. Eco Tourism: Friend or Foe?
February	c. Rural Tourism and Urban Tourism
March	Exams

DEPARTMENT OF SOCIOLOGY
TEACHING PLAN FOR 2018-2019
SEM III AND SEM IV

Month	S.Y.B.A 301
June	Unit I Indian Sociological Perspectives a. Indology and Structure--functionalism (G. S. Ghurye, M. N. Srinivas) b. Dialectical approach to Sociology (A. R. Desai, D.P. Mukerjee)
July	c. Non- Brahmanical Approach (Dr. B.R. Ambedkar, Mahatma Phule) Unit II Contemporary Sociologists a. Sharmila Rege (Gender) b. Leela Dube (Kinship)
August	c. T. K. Oommen (Religion) Unit III Contemporary Challenges in Indian Society a. Strategies of caste mobilisation b. Resurgence of Ethnic identities c. Gender and Marginalization
September	Unit IV Socio- Cultural Landscape of Maharashtra a. Regional diversity and communities in Maharashtra b. Tourism in Maharashtra – Economy and Society c. Food Culture intertwined with different cultural identities
October	Exams

Month	S.Y.B.A 402
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November	UNIT I JOURNALISM a. Journalism Studies: An Overview b. Journalists as Gatekeepers- Ethics in Journalism c. Women Journalists
December	UNIT II WOMEN ENTREPRENEURSHIP a. Meaning of Entrepreneurship, Role and Attributes of an Entrepreneur b. Women in different fields as entrepreneurs at the grass root level: Business, Food c. Challenges and Opportunities
Jananuary	UNIT III URBAN GOVERNANCE a. Plan and Growth of Smart Cities-Critique -Case Study (Kochi) Kerala, (Jaipur) Rajasthan b. Lack of availability of Open Spaces c. Street Vendors and Hawkers- The Street Vendors Act 2014
February	UNIT IV GERIATRIC CARE a. Phenomenon of Population Ageing b. Old Age Home, Senior Citizens Association, Day Care Center c. Geriatric Care: Government and non-governmental initiatives in India
Mararch	Exams

DEPARTMENT OF SOCIOLOGY
TEACHING PLAN FOR 2018-2019
SEM V AND SEM VI

Month	T.Y.B.A 501
June	Historical Context : The Enlightenment Contribution of August Comte ;Contribution of Herbert Spencer
July	Emile Durkheim-Division of labour, Theory of Suicide, Elementary Forms of Religious Life Max Weber- Methodology:Theory of Social Action , The Protestant Ethics and the Spirit of Capitalism
August	Unit II Structural Functionalism 1. Talcott Parsons- Voluntaristic Theory of Social Action,Theory on social system (AGIL analysis) 2. Merton's functionalism-Definition of function, Functional alternatives Unit III Conflict theories 1. Karl Marx- Dialectic Materialism; Class conflict;Alienation 2. Ralph Dahrendorf- Conflict Theory; Power and



	Authority
September	Unit IV Contemporary Theories 1. Harold Garfinkel :Ethnomethodology 2. Erving Goffman: Dramaturgy 3. Antonio Gramsci: Hegemony and the Ruling Ideas
October	Revision

Month	T.Y.B.A 601
November	Exam
December	Unit I Introduction to Anthropology 1. Nature and scope of Anthropology 2. Sub-disciplines within anthropology: Physical, Cultural, Archaeology, Linguistic 3.Relation with sociology as a discipline 4. Field methods in Anthropology
Jananuary	Unit II Early Thought 12 lectures 1. Evolution – Edward Tylor, L.H. Morgan 2. Historical Particularism - Franz Boas 3.Functionalism- Malinowski’s Theory of Need 4.Colonial anthropology-Verrier Elvin’s Methods of a Freelance Anthropologist Unit III Later Development 1.Culture and Personality-Margaret Mead’s Coming of Age in Samoa 2. Patterns of Culture – Ruth Benedict 3.Marxian Feminism- Eleanor Burke Leacocke 4.Interpretative Anthropology – Clifford Geertz’ Thick Description “Deep Play: Notes on the Balinese Cockfight”
February	Unit IV Contemporary Indian Thinkers 1.Virginous Xaxa- “Tribes and Indian National Identity: Location of Exclusion and Marginality” 2.Nandini Sunder- “Educating for Inequality: The Experiences of India’s “Indigenous” Citizens” 3.Patricia Uberio- “The Diaspora Comes Home: Disciplining Desire in DDLG”
March	Revision

Month	T.Y.B.A 503
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June	Unit 1 Basic Concept Sex, gender and the heteronormative regime Gender beyond the binary Many women, many feminisms and intersectionality
July	Unit 11 Feminist perspectives: Selected Reading Classical Liberal – Mary Wollstonecraft Radical - Kate Millet Socialist - Juliet Mitchell Contemporary Black feminism – bell hooks Postmodern feminism: Julia Kristeva
August	Unit III New Challenges Dalit feminism: Kumud Pawade Queer perspectives: Judith Butler Masculinity Studies
September	Unit 111 History of Women’s Struggles Colonial - nationalist era : Key debates Child marriage, widowhood, sati, education, political rights Contemporary era Emergence of the autonomous women’s movement: Campaigns against Dowry, Rape and Women's Right to Health Current debates: Sexual violence and Rights in Marriage and Divorce
October	Revision

Month	T.Y.B.A 603
November	Exam
December	Unit I Sites of Violence Against Women Family as a site of violence: Invisible forms of everyday violence Women in situations of conflict: communal conflict, caste violence and armed conflict. Sexual harassment: Street and work place (Protection of Women from Sexual Harassment (Prevention and Redressal) Act, 2013) Violence in virtual spaces: Twitter and facebook misogyny and trolling



Jananuary	Unit II Marginalised Genders Gender galaxy Queer activism Section 377 Unit III Protests and Resistance Reproductive Health: Debates on surrogacy Livelihood struggles: Land and forests Legislation: A feminist critique (rape and domestic violence)
February	Unit IV Feminist campaigns in digital spaces Why loiter Right to bleed Pinjra Tod #Me too
March	Exams

Month	T.Y.B.A 505	T.Y.B.A 506
June	b. environmental sociology: Catton and Dunlap c. Natural capitalism, Eco-socialism, Eco spiritualism	Unit I Quantitative Research Quantitative Research – Nature, characteristics, significance, critique Types of data – Primary and Secondary, Small and Big Theoretical considerations - Positivism
July	Unit II Environment and Development a. Ulrich Beck’s critique of development A case study of Coco-cola v/s CSE (Sunita Narayan) b. Sustainable development, global warming, Loss of Bio-diversity c. The Stockholm conference and The Earth summit	Unit II Process of Quantitative Research Writing research proposal Main steps in quantitative research Writing research report
August	Unit III Environmental Politics a. Environmentalism- early development; Gandhiji’s view on	Unit III Aspects of Quantitative Research Survey Method,



	<p>environmentalism</p> <p>b .International environmental politics- Green parties, environmental groups and grassroots environmentalism</p> <p>c. Privatization of Water: Issues and Challenges</p>	<p>Technique of Questionnaire</p> <p>Sampling</p>
September	<p>Unit IV New Paradigms in Environmental Sociology</p> <p>a. The New Climate Change Discourse: A Challenge for EnvironmentParadigm</p> <p>b. Human Exemptionalism Paradigm (HEP)</p> <p>c .New Ecological Paradigm (NEP)</p>	<p>Unit IV Quantitative Data Analysis (Univariate Analysis)</p> <p>Measures of Central Tendency ,</p> <p>Measures of Dispersion</p> <p>Correlation</p> <p>Introduction to SPSS</p>
October	Revision	Revision

Month	T.Y.B.A 605	T.Y.B.A 606
November	Exam	Exam
December	<p>Unit I Environmental Problems: Rural Context</p> <p>a. The environmental impact of the green revolution</p> <p>b. Western Ghats Ecology Expert Panel Report (Eco-Sensitive Zones)</p> <p>c. Water scarcity and water management; rainwater harvesting – case study of Johads in Rajasthan</p>	<p>Unit I Qualitative Research</p> <p>a. Qualitative Research – Nature, characteristics, significance, critique</p> <p>b. Preoccupations of qualitative researchers</p> <p>C. Theoretical considerations – Interpretivism</p>
January	<p>Unit II Environmental Problems: Urban Context</p> <p>a. Waste management; solid waste management, bio-medical waste; industrial waste; nuclear waste and e-waste</p> <p>b. Effects of development activities with reference to loss of mangroves, building of metro, Skywalks etc.</p> <p>c. Depletion of soil, air and water as a resource</p>	<p>Unit II Process of Qualitative Research (9 Lectures)</p> <p>a. Distinction between qualitative and quantitative research</p> <p>b. Main steps in qualitative research</p> <p>c. Reliability and Validity in Qualitative research</p>
February	Unit III Women, Indigenous	Unit III Qualitative approaches to



	Groups and Environment a .Eco-feminism and Feminist environmentalism- Bina Agarwal b. New environmental movements: Save Ganga Movement, Silent Valley Movement, Warli movement c. Niyamgiri and the Forest Rights Act	enquiry a. Ethnography b. Case study c. Feminist approach
Marach	Unit IV Protests against Infrastructural Development a. Save Aarey Campaign b .Protest against new Development Plan for Mumbai and privatization of open spaces c. New airport at Navi Mumbai	Unit IV Methods and Techniques of data collection a. Interview: Unstructured, Semi structured, In-depth b. Focus Group discussion c. Conversation and Discourse analysis

Mr. Khan Moharram Ali

1. Teaching Plan Format:

Semester	Months	Topic Covered
Ist / IIIrd / Vth ODD SEM.	June	SY :----- TY :----- FY:-----
	July	SY. : P-I U-I Mechanics TY. P-I U-I Mathematical Methods in Physics
	August	FY. P-I U-I Mechanics, Chapter: Elasticity SY. P-II U-I Vector Calculus TY. P-I U-II Mathematical Methods in Physics P-I U-III Thermal and Statistical Physics
	September/ October	FY. P-I U-I Chapter: Fluid Dynamics SY. P-III U-I Acoustics, Lasers and Fibre Optics TY. P-I U-IV Thermal and Statistical Physics P-III U-I Atomic Physics
IInd / IVth / VIth EVEN SEM.	November	{ SEMESTER END EXAMINATIONS }
	December	FY. P-I U-I Mathematical Physics, Chapter: Differential Equation SY. P-II U-I Quantum Mechanics, Chapter: The Schrodinger Wave Equation TY. P-I U-I Classical Mechanics Chapter: Central Force
	January	FY. P-I U-I Mathematical Physics, Chapter: Differential Equation SY. P-II Quantum Mechanics, Chapter: Application of Schrodinger Steady State-I TY. P-I U-II& III Classical Mechanics Chapter: Lagrange's Equation , Fluid Motion and Rigid Body Rotation
	February- March	FY. P-I U-I Mathematical Physics, Chapter: Application of Differential Equation SY. P-II Quantum Mechanics, Chapter: Application of Schrodinger Steady State-II TY. P-I U-IV Classical Mechanics Chapter: Non Linear Mechanics P- III U-II Nuclear Physics Chapter: Nuclear Models & Gamma Decay



Teaching Plan Format:

Semester	Months	Topic Covered
I	June	-
	July	Atomic Structure
	August	Periodic Table and Periodicity
	September	Comparative Chemistry of Main Group Elements Chemical Thermodynamics I
	October	Chemical Calculations
II	November	Gaseous State
	December	Chemical Equilibria and Thermodynamic Parameters
	January	Concept of Qualitative Analysis Acid Base Theories
	February	Chemical Bond and Reactivity
	March	Oxidation Reduction Chemistry
V	June	Treatment of analytical data I Sampling
	July	Separation Techniques II Paper, TLC, HPLC, HPTLC
	August	Atomic Spectroscopy, AES & AAS Molecular Fluorescence & Phosphorescence Spectroscopy
	September	Turbidimetry and Nephelometry Titrimetric Analysis
	October	Solvent Extraction Spectrophotometry
VI	November	Chromatographic Techniques II GC, Ion Exchange & Size Exclusion
	December	Thermal Methods Radio Analytical Methods
	January	Food and Cosmetics Introduction to Food Chemistry Cosmetics
	February	Electro Analytical Techniques Potentiometric Titrations Polarography
	March	Amperometric Titrations

NEHA NANGIA

Teaching Plan Format:

Semester	Months	Topic Covered
Semester - I	July	genetics
	August	genetics
	September -October	cellbiology



Semester ii	November	anatomy
	December	anatomy
	January	anatomy
	February-March	biotechnology
Sem iii	June	algae
	July	cytogenetics
	August	cytogenetics
		Molecular biology
Sem iv	November	biostatistics
	December	biotechnology
	January	biotechnology
Sem v	June	genetics
	July	genetics
	August	anatomy
Sem vi	November	anatomy
	December	gymnosperms
	January	gymnosperms
	February-March	gymnosperms

Mohammed Mukhtar Khan

Teaching Plan Format: FYBCOM/SEM 1/ COM 1: A,D,E

	Months	Topic Covered
	JULY	MODULE 1
	AUG	MODULE 2
	SEPT	MODULE 3
	OCT	MODULE 4

*Attach Syllabus completion report along with teaching method.

Teaching Plan Format: FYBCOM/SEM 2/ COM 2: A,D,E

	Months	Topic Covered
	NOV/DEC	MODULE 1
	JAN	MODULE 2
	FEB	MODULE 3
	MAR	MODULE 4



**Teaching Plan Format:
FYBCom**

Semester	Months	Topic Covered
1, 3, 5	June	FYBCom- SYBA Eng Lit- Literary Background SYBA Mass Com- Nature of Communication TYBA- Phonetics
	July	FYBCom- Theory of Communication Chapt 1,2,3 SYBA Eng Lit- Novel : Quills of a Porcupine SYBA Mass Com- Nature of Mass Communication TYBA- Word Classes
	August	FYBCom- Theory of Communication Chapt 4,5,6 SYBA Eng Lit- Novel: Quills of a Porcupine, One Short story SYBA Mass Com- Mass media in India TYBA- Phrases
	September	FYBCom- Business Correspondence SYBA Eng Lit- Two short stories SYBA Mass Com- Media Types and Presentation Formats TYBA- Art of Writing
	October	FYBCom-Language and Writing Skills SYBA Eng Lit- One short story/Revision SYBA Mass Com- Media Types and Presentation Formats TYBA- Art of Writing and Paper Practice

Semester	Months	Topic Covered
1	November	FYBCom- Group Communication Chapt 1,2,3 SYBA Eng Lit- Literary Background SYBA Mass Com- Special Roles of Mass Media in India TYBA- Revision of Phrases
	December	FYBCom- Group Communication Chapt 4,5,6 SYBA Eng Lit- Play: Halfway House SYBA Mass Com- Indian Mass Media and National Development TYBA- Clauses
	January	FYBCom-Business Correspondence SYBA Eng Lit- Play: Halfway House SYBA Mass Com- Media Related Issues and Laws in India TYBA- Derived Structures
	February	FYBCom- Business Correspondence, Language Skills SYBA Eng Lit- Three poems SYBA Mass Com- Media Related Issues and Laws in India TYBA- Art of Writing
	March	FYBCom- Language and Writing Skills SYBA Eng Lit- One poem and revision SYBA Mass Com- Career Opportunities in Mass Media



		TYBA- Art of Writing and Paper Practice
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rajesh masurkar

Teaching Plan Format: TYBSC...CHEMISTRY

Semester	Months	Topic Covered
5	June	Stereochem 1
5	July	Mech of reactions
5	Aug	Heterocyclic and iupac
5	sep	Agrochemicals
6	nov	Stereochem 2
6	dec	Stereochem 2 and catalysts
6	Jan 2020	Polymers
6	feb	Polymers
6	mar	Rearrangement reactions
		TEACHING PLAN FOR SYBSC
3	JUNE	ALKYL AND ARYL HALIDES
3	JULY	ALCOHOLS AND PHENOLS ,EPOXIDES
3	AUG	ORGANOMETALLICS AND CARBONYL COMPOUNDS
3	SEP	CARBONYL COMPOUNDSCONTD
4	NOV	ACIDS
4	DEC	AMINES
4	JAN 2020	HETEROCYCLIC CHEMISTRY
4	FEB	SULPHONIC ACIDS
4	MAR	DIAZONIUM SALTS

RoshanKhobragade

Teaching Plan Format:

Class :SYBCom

Subject : Business Law I & II

Semester	Months	Topic Covered
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III	July	Contract – Offer and Acceptance – Capacity to Contract – Consideration.
	August	Consent - Void Agreements - Contingent Contract, Quasi Contract, Concept of E- Contract, Concept of Performance of Contract - Modes of Discharge of Contract, Remedies on breach of Contract.
	September	Law of Indemnity & Guarantee - Law of Bailment - Law of Pledge – Law of Agency. Contract of Sale, Condition and warranties
	October	Property - Unpaid Seller - Negotiable Instruments – Promissory Note, Bill of Exchange, Cheque - Miscellaneous Provisions
IV	November - December	Company – Classification of Companies - Memorandum of Association (MOA) & Article of Association(AOA) –Prospectus.
	January	Member of a Company - Director - Meetings
	February	Partnership –Dissolution –Limited Liability Partnership (LLP) 2008 – Extent of L.L.P - Consumer Protection Act –Consumer Protection Councils &Redressal Agencies.
	March	Competition Act 2002 –Abuse of Dominant Position. Intellectual Property Right (IPR) –IPR relating to Patents –IPR relating to Copyrights- IPR relating to Trademarks .

Class :SYBSc

Subject : FC-III & IV

Semester	Months	Topic Covered
III	July	Scheduled Castes-. Scheduled tribes- Women- Children- People with Disabilities, Minorities, and the Elderly population.
	August	Concept of Disaster and general effects of Disasters on human life- Some locally relevant case studies of environmental disasters- Dealing with Disasters - Human Rights issues in addressing disasters.
	September	Development of Science - Nature of science- Science and Superstition-. Science in everyday life.
	October	Effective Listening - Verbal and Non-Verbal Communication; Barriers to Effective Communication; Importance of Self-Awareness and Body Language. - Formal and Informal Communication - Writing Formal Applications, Statement of Purpose (SOP) and Resume - Preparing for Group Discussions, Interviews and Presentations. - Leadership Skills and Self-Improvement - Characteristics of Effective Leadership - Styles of Leadership and Team-Building.
IV	November - December	Rights of Consumers- Right to Information- Protection of Citizens /Public Interest- Citizens' Charters, Public Service Guarantee Acts.
	January	Understanding approaches to ecology- Environmental Principles- Environmental Principles.
	February	Laser Technology- Satellite Technology- Information and Communication Technology- Biotechnology and Genetic engineering- Nanotechnology- Issues of Control, Access and Misuse of Technology.



	March	GRE, GMAT, CAT, SAT – UPSC, SSC, SPSC, Banking and Insurance sectors, NET / SET Information on areas tested –Motivation -Goal-Setting - Time Management - Writing Skills.
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Saba Shadab Rais

Teaching Plan Format:

Semester	Months	Topic Covered
I	July	Laboratory safety and Units of Measurement
	August	Animal Biotechnology
	September	Instrumentation
II	November	Population Ecology
	December	Nutrition and Health
	January	Nutrition and Health
	February	Public health and Hygiene & Common human Diseases
III	June	Fundamentals of Genetics
	July	Fundamentals of Genetics
	August	Chromosomes and Heredity
	September	Parasitology
IV	November	Comparative Embryology
	December	Population Genetics and Evolution
	January	Population Genetics and Evolution
	February	Scientific Attitude, Methodology, Scientific Writing and Ethics in Scientific Research
V	June	-
	July	Type study : Sepia , Fish Marketing
	August	Basic Immunology
	September	Applied Immunology
VI	November	Taxonomy – Reptilia, Aves and Mammals
	December	Mammalian Histology
	January	Enzymology
	February	Fish Preservation



Teaching Plan Format:

Semester	Months	Topic Covered
V	June	Introduction to Linux, distributions, duties of SA.
V	July	Configuration of DNS,DHCP,NFS,FTP,SAMBA server.
V	Aug	POP,IMAP4,sendmail, clustering,postfix.
V	Sep	Shell scripting , commands, filter commands.
III	June	Introduction of OS, functions, services,system calls.
III	July	Process synchronisation, Deadlocks, Main memory
III	Aug	Virtual memory ,file system interface,Implementation
III	Sep	Process , threads , interprocess communications.
I	July	Introduction to Imperative programming, Loops, Data types
I	Aug	Arrays, Functions, types of functions, structures.
I	Sep	Pointers, Arrays and pointers, structures with pointers.
III	June	Introduction, Network Models, Physical layer,
III	July	Digital and Analog transmission, Bandwidth Utilization
III	Aug	Transmission media, Data Link Layer, Media Access Control
III	Sep	Network Layer, Unicast Routing, Transport Layer.
VI	Nov	Introduction, Sensor Node Hardware,Medium Access Control
VI	Dec	Routing Protocols,transport control protocols,wireless transmission
VI	Jan	Telecommunications, satellite,Broadcast Systems
VI	Feb	Signal propogations, Routing strategies,Gateway concepts.
IV	Nov	Software requirements, software process, waterfall models.
IV	Dec	Agile software developments,critical systems, systems models.
IV	Jan	Architectural designs, user interface designs, quality management
IV	Feb	Verfications, software reuse, process improvements,cost estimations.
IV	Nov	Network models, encapsulations,data and signals .
IV	Dec	Physical layers and data link layers, data transmissions.
IV	Jan	Network layer and Transport layers,TDMA, CDMA.
IV	Feb	Routings , switches and routers , hub, protocols



II	Nov	Introductions, Installations, Linux structures
II	Dec	Command lines, Documentations, File operations
II	Jan	Security, Networking, Basic shell scriptings, Graphical desktop
II	Feb	File system, bootings, init scripts, File architectures.

DR.SHADAB SYED

Teaching Plan Format:

Semester	Months	Paper	Topic Covered
I	July-October	I	UNIT I- Over view of Indian society UNIT II- Concept of disparity UNIT III- Concept of disparity UNIT IV- The Indian constitution UNIT V- Significant aspects of political processes
II	November-February	I	UNIT I- Globalization and Indian society UNIT II- Human rights UNIT III- Ecology UNIT IV- Understanding stress and conflict UNIT V- Managing stress and conflict in contemporary society
III	June-September	II	UNIT I- human rights violations and redressal UNIT II- Dealing with environmental concerns UNIT III- Science and technology UNIT IV- Soft skills for effective interpersonal communication UNIT V- Understanding issues of right to health and education
IV	November-February	II	UNIT I- Significant rights of citizens UNIT II- Ecology: Approaches, Ethics & Issues UNIT III- Science & Technology: Significant modern technologies UNIT IV- Introduction to competitive exams UNIT V- Urban-rural disparities in development

Shaikh Shahida

Teaching Plan Format:

Semester	Months	Topic Covered
Sem I		F.Y.B.A 101-Foundations Of Sociology
	June	—



	July	Unit II- Social Institutions a. Politics and Government b. Family: Changing Trends
	August	c. Religion Unit IV- New Social Media a. Social Dimensions- Social Networking
	September	b. Economic Dimension: Marketing and Advertising Network c. Political Dimension: Social Networking and Elections
	October	Exams
Sem II		F.Y.B.A 102-Fundamentals Of Sociology
	November	Unit II- Crime a. Perspectives on Crime: Theories (Strain Theory, Labeling Theory & Conflict Theory)
	December	b. Cyber Crime: Types, Control, Regulation and Laws c. Trafficking: Women and Children
	January	Unit IV- Environment a. Importance of Ecological consciousness
	February	b. Urban Ecology c. Eco- Feminism
	March	Exams
Sem I		F.Y.B.A Foundation Course-I
	June	—
	July	Unit I- An Overview Of Indian Society
	August	Unit II-Concept Of Disparity ;due to stratification and inequality Unit III-Concept Of Disparity ; due to caste system and inter-group conflict
	September	Unit IV- Indian Constitution Unit V- Significant aspects of Political Processes
	October	Project submission and Exam
Sem II	November	Unit I- Globalization And Indian Society Unit II- Human Rights



	December	Unit III- Ecology Unit IV-Understanding Stress and Conflict
	January	Unit V- Managing Stress and Conflict in Contemporary Society
	February	Project Submission
	March	Exam
Sem III		S.Y.B.A 302- Contemporary Issues In Indian Society
	June	Unit I- Demography a. Nature, Scope and Significance b. Fertility, Mortality, Nuptiality (Concept and Factors) c. Declining sex Ratio (Causes and Measures)
	July	Unit II- Migration a. Definition Meaning and Characteristics b. The Right to the City- Henry Lefebvre c. Patterns of Migration: Case Study of Mumbai
	August	Unit III- Health a. Right to Health Care (Women and Children) b. Disability Rights Act 2016 (Differently abled) c. Surrogacy and Politics of Reproduction
	September	Unit IV-Crime And Justice a. Overview of the Criminal Justice System in India: Police, Courts and Law b. Rights and Duties of the People c. Need for reforms in the Criminal Justice System
	October	Exams
Sem IV		S.Y.B.A 401-Sociology Of Development
	November	Unit I-Understanding Development a. Meaning of Development and theories of Modernization b. Dependency Theory c. Neo- Liberal Economic approach
	December	Unit II-Measuring Development a. Indicators of Development- Human Development Index (HDI) b. Survey and Case Study as Methods of Data Collection c. Questionnaire as technique of data collection
	January	Unit III-Globalization and the Crisis of Development a. Land Displacement b. Forest Rights Act 2006 and its impact on the tribal community c. Resistance Movements
	February	Unit IV-Alternative approaches to Development a. Sustainable Development- Eco- Friendly practices, Organic Farming, Ankoli in Solappur b. People- Centric Development-Menda Lekha, Gadchiroli c. 'Adarsh Gaon'- Hiware Bazaar, Ahmednagar
	March	Exams
Sem III		S.Y.B.A Foundation Course II



	June	Unit II- Dealing With Environmental Concerns
	July	A- Concept Of Disaster and Effects Of Disaster
	August	B- Some Locally relevant case studies. C-Dealing with Disaster
	September	D- Human Rights Issues In Addressing Disaster
	October	Exam
Sem IV		S.Y.B.A Foundation Course II
	November	Unit II- Approaches To Understanding Ecology
	December	B- Environmental Principles –I
	January	C- Environmental Principles –II
	February	Revision
	March	Exam
Sem V		T.Y.B.A 502- Sociology Of Work
	June	Unit I- Basic Concepts a. Work, Work behavior, Work environment, Work ethics and Work culture b. Industry Evolution, characteristics, Impact c. Pre-conditions and consequences of industrialization
	July	Unit II- Changing Division of Labour a. Fordism and post Fordism b. Post Industrialism c. Global division of labour and global inequalities
	August	Unit III- Trends in Industry a. Work and automation b. Emergence of Service Industry c. Industrial relations and trade unions
	September	Unit IV- Knowledge Industry a. Liberalization, Privatization and Globalization – Meaning, features, impact b. BPO - Meaning, issues c. KPO- meaning and issues
	October	Exams
Sem VI		T.Y.B.A 602- Sociology Of Informal Sector
	November	Unit I- Organization of Work a. Formal and Informal sector: Distinction



		<ul style="list-style-type: none"> b. The nature of informal sector: characteristics, problems c. Theoretical Perspectives: Dualist, Structuralism and Legalist
	December	<p style="text-align: center;">Unit II- Informal Labour Market</p> <ul style="list-style-type: none"> a. Migration as livelihood b. Workers in Informal sector c. Conditions of work and wages
	January	<p style="text-align: center;">Unit III- Safeguard for informal sector workers</p> <ul style="list-style-type: none"> a. Towards Decent work agenda b. Social security and role of the state c. Organizing the unorganized: self-help groups and microfinance.
	February	<p style="text-align: center;">Unit IV- Globalization and its Implications</p> <ul style="list-style-type: none"> a. Informalisation of work. b. Downsizing, outsourcing, Network society and role of ICT (Information communication technology) c. Labour Reforms and its impact; Problem of unionization and Labour boards.
	March	Exams
Sem V		T.Y.B.A 504- Sociology Of Human Resource Development
	June	<p style="text-align: center;">Unit I- Overview of HRD</p> <ul style="list-style-type: none"> a. Nature, Features and goals b. Need, Scope , Functions c. Evolution of HR function and role of HR manager
	July	<p style="text-align: center;">Unit II- Recruitment, Selection and Performance Appraisal</p> <ul style="list-style-type: none"> a. Recruitment: Relevance, Factors, Process and Programmes b. Selection: Selection Procedure, Barriers to effective selection c. Performance Appraisal: Purpose, Methods(Trait Methods, Forced-choice Methods, Behavioural Methods, Results Methods), Process &Design
	August	<p style="text-align: center;">Unit III- Emerging Issues and Challenges in HRD</p> <ul style="list-style-type: none"> a. Ergonomics and human factors at work b. Corporate Social Responsibility c. Total Quality Management
	September	<p style="text-align: center;">Unit IV– Management Services and Operations</p> <ul style="list-style-type: none"> a. Talent Management: Need, Importance and Benefits b. Project Human Resource Management: Overview, Significance, Benefits c. Image Building: Features, Need and Benefits
	October	Exams
Sem IV		T.Y.B.A 604- Sociology Of Organizations
	November	<p style="text-align: center;">Unit I- Organizational Structure</p> <ul style="list-style-type: none"> a. Organization : Characteristics and principles of organization b. Formal organizations: Relevance, types of structures, tall and flat organization and functional organization c. Informal organization : Significance and impact on formal organizations



	December	<p align="center">Unit II- Organizational Planning, Training and Development</p> <p>a. Organizational Planning: Importance, Internal & External factors, Downsizing in context to labour market</p> <p>b. Organizational Development: Characteristics, Objectives & Process, Intervention Techniques & Benefits</p> <p>c. Training and Development: Types (Orientation Training, Team Training & Cross Training, Diversity Training) Training methods (Non managerial Employees & Management Development)</p>
	January	<p align="center">Unit III- Organizational Culture and Change</p> <p>a. Organizational Culture: Features , Cultural Dimensions, Sustaining the Culture</p> <p>b. Creativity in Organizations: Characteristics, Creativity Inducing factors</p> <p>c. Innovation process and change</p>
	February	<p align="center">Unit IV- Organizational Socialization, Leadership and Conflict resolution</p> <p>a. Organizational socialization: Individual and organizational perspectives on socialization; Stages of organizational socialization, Induction/Indoctrination procedure</p> <p>b. Leadership: meaning, effectiveness, qualities, skills and functions</p> <p>c. Conflict resolution: Types of conflict situations; Causes and effects; Its Effective management.</p>
	March	Exams
		T.Y.B.A
		505-Environment and Society: Theory and Awareness
	June	<p align="center">Unit II- Environment and Development</p> <p>a. Ulrich Beck's critique of development A case study of Coco-cola v/s CSE (Sunita Narayan)</p> <p>b. Sustainable development, global warming, Loss of Bio-diversity</p> <p>c. The Stockholm conference and The Earth summit</p>
	July	<p align="center">Unit IV- New Paradigms in Environmental Sociology</p> <p>a. The New Climate Change Discourse: A Challenge for Environment Paradigm</p> <p>b. Human Exemptionalism Paradigm (HEP)</p> <p>c. New Ecological Paradigm (NEP)</p>
	October	Exams
		T.Y.B.A
		605- Environmental Concerns in India
	November	<p align="center">Unit II- Environmental Problems: Urban Context</p> <p>a. Waste management; solid waste management, bio-medical waste; industrial waste; nuclear waste and e-waste</p> <p>b. Effects of development activities with reference to loss of mangroves, building of metro, Skywalks etc.</p> <p>c. Depletion of soil, air and water as a resource</p>



	December	Unit III- Women, Indigenous Groups and Environment a .Eco-feminism and Feminist environmentalism- Bina Agarwal b. New environmental movements: Save Ganga Movement, Silent Valley Movement, Warli movement c. Niyamgiri and the Forest Rights Act
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SHEHNAZ KHAN

COPY OF TEACHING PLAN

Semester : III Class: S .Y.B.COM Division: A&D

Subject/ Paper Name : ACCOUNTING AND FINANCIAL MANAGEMENT

Months	Topics to be covered
June	Final account of partnership firm: A,D
July	Piece-meal distribution D
August	Amalgamation of Firm A,D
September – October	Use of accounting software D

Semester: IV Class : S.Y.B.COM Division :A& D

Subject/ Paper Name: ACCOUNTING AND FINANCIAL MANAGEMENT

Months	Topics to be covered
November	Fire insurance claims D
December	Redemptions of preference shares A,D
January	Redemptions of debentures A,D
February – March	

Semester : V Class: T.Y.B.COM Division: A,B,C

Subject/ Paper Name : FINANCIAL ACCOUNTING



Months	Topics to be covered
June	Amalgamation of companies
July	Internal Reconstruction
August	Investment Accounting
September – October	Final Account Of Companies

Semester: VI Class : T.Y.B.COM Division :A,B,C
Subject/ Paper Name: FINANCIAL ACCOUNTING

Months	Topics to be covered
November	Final Account Of Co-Operative Society
December	Profit Prior To Incorporation
January	Valuation of goodwill and shares and foreign currency
February – March	Buyback Of Shares

Shweta Dubey

Teaching Plan:

Semester: III Class: SYBA
Subject/Paper Name: Indian Economy (302)

Semester	Month	Topics to be covered
III	June	Unit - I Demonetization: To Deify or Demonize? Objectives of demonetisation and previous instances of demonetisation - India's demonetisation as unprecedented in international economic history - Short term costs and Long term benefits of demonetization - Analytics of demonetization - Future policy measures to maximise benefits and minimise costs of demonetisation.
	July	Unit – II Fiscal Framework: The World is Changing, Should India Change Too? Fiscal Responsibility and Budget Management (FRBM) Act - Why there is a need for counter-cyclical fiscal policy in India? - Debt dynamics with the



		help of equation for debt sustainability Fiscal Rules: Lessons from the States Fiscal Responsibility Legislation (FRL) - Impact of FRL on Budget process - Impact of FRL on Deficits - Lessons for future fiscal rules
	August	Unit – III Universal Basic Income: A Conversation With and Within the Mahatma The Conceptual/Philosophical case for UBI - The Conceptual Case against UBI - Arguments in Favour and Against UBI - How can UBI overcome the issues of misallocation and leakages of resources? - Can UBI improve financial inclusion? - Will UBI lead to moral hazard and reduce labour supply? - What are the guiding principles for setting up UBI? - What are the prerequisites for introducing UBI? - Is there fiscal space to finance UBI?
	September	Unit – IV Income, Health and Fertility: Convergence Puzzles Income convergence/divergence within India - Consumption convergence/divergence within India - Health Convergence within India with room for improvement against International standard - Total Fertility rate convergence (India and World) - Interpreting Graphs/Data regarding Income/Life Expectancy/ Infant mortality rate/Total fertility rate (For All Indian States) Revision
	October	Semester End Examination

Semester: IV Class: SYBA
Subject/Paper Name: Indian Economy (302)

Semester	Month	Topics to be covered
IV	November	Unit – I Introduction to Maharashtra’s Economy – Backdrop, Demography, Key Indicators of Development, Macroeconomics development of the Regions, Paradigm Shift.
	December	Unit - II Importance of Tribal Areas Present Status, Comparison with States, PCI, Poverty, Overview of Nutrition, Health & Education, Causes of Deprivation, Reforms to be undertaken.
	January	Unit – III Water Resources Availability of Water resources, government policy, overview of irrigation development (No division – wise discussion), overview of irrigation in Rest of Maharashtra, General Overview of Rural & Urban areas water supply, Recommendation for water distribution/ Balanced development.
	February	Unit – IV Health and connectivity Health : The Kelkar Committee approach to health, Regional disparities, Health Care Systems, Health outcomes, Recommendation and Strategies Connectivity – Introduction, General Overview of Roads, Railways,



		Ports, Airports and Broadband, Resources required Revision
	March	Semester End Examination

Semester: V Class: TYBA
Subject/Paper Name: Economics of Development: Paper VIII

Semester	Month	Topics to be covered
V	June	Module1:Concepts of Economic Growth and Development: Meaning of Growth and Development – Distinction between growth & development– Concept of human development. HDI, GDI, Sustainable development – Green GDP – Three core values of development – Capability Approach.
	July	Module 2:Structural Issues in Development Process: Big push theory – Theory of human capital – Role of Education, Health & nutrition in economic development- Schumpeter’s theory of development, Dual economy models of growth, Solow’s growth model.
	August	Module 3:Inequality, Poverty and Development: Measures of poverty and inequality – Kuznet’s inverted U-hypothesis – Policy options for poverty alleviation – Inclusive growth – Self Help Groups and Micro Finance.
	September	Module 4:Technology and Economic Development: Role of Infrastructure in economic development –Role of technology in economic development, Types of technical progress –Schumacher’s Concept of Intermediate/ Appropriate technology, Green technology. Revision
	October	Semester End Examination

Semester: V Class: TYBA
Subject/Paper Name: Industrial and Labour Economics: Paper IX

Semester	Month	Topics to be covered
V	June	Unit - I Meaning and scope of Industrial Economics, Industrial Profile: Private Sector – Performance and Problems, Cooperatives – features, types, merits and demerits, Diversification and Industrial Combinations – Motives for Mergers and Acquisitions
	July	Unit – II Determinants of Industrial location, Theories of Industrial location – Weber’s and Sargent Florence’s Theories, Dispersion of Industries and problem of Regional Imbalance
	August	Unit – III Concept and measurement of Industrial Productivity, Factors affecting Industrial Productivity, Industrial sickness – causes, effects and remedial measures, Rationalization – Concept, Aspects and Impact
	September	Unit – IV New Industrial Policy 1991, Disinvestment Policy, Micro, Small and Medium Enterprises Development Act, 2006; National Manufacturing Policy, 2011;Recent trends in India’s Industrial Growth, Role of MNCs in the Indian Economy – Merits and Demerits, Issues in Industrial Proliferation and Environment Preservation, Pollution Control Policies



		Revision
	October	Semester End Examination

Semester: V Class: TYBA
Subject/Paper Name: History of Economic Thought: Paper XII

Semester	Month	Topics to be covered
V	June	Module 1: Classical Period Adam Smith - division of labor, theory of values, capital accumulation, distribution, David Ricardo- Value, theory of rent, distribution. Karl Marx - dynamics of social changes, theory of values, surplus value, profit and crisis of capitalism and Contemporary Relevance
	July	Module 2: Marginalist : Marshall To Schumpeter Role of time in price determination , economics methods, ideas of consumer's surplus, representative firm, external and internal economies, quasi-rent, nature of profit; Pigou: welfare economics: Schumpeter: role of entrepreneur and innovation
	August	Unit – III Module 3: Keynesian Ideas: Liquidity Preference Theory and Liquidity trap, Consumption Function, MPC, Multiplier & Accelerator principles and their interaction, wage rigidities, underemployment equilibrium, role of fiscal policy: deficit spending and public works, multiplier principles, cyclical behavior of the economy
	September	Module 4: Post- Keynesian Developments: Hayek – Supply side economics: Arthur Laffer, Evans – Monetarism: Milton Friedmans, Don Patinkin – An overview of the new classical economics: Robert Lucas Nobel Prize Winners in Economics: A. K. Sen (1998), Joseph Stiglitz (2001), Paul Krugman (2008), Jean Tirole (2014), Angus Deaton (2015), Richard Thaler (2017)
		Revision
	October	Semester End Examination

Semester: VI Class: TYBA
Subject/Paper Name: International Economics: Paper XIV

Semester	Month	Topics to be covered
VI	November	Module 1: Introduction Importance of the study of International Economics - An overview of world trade- Distinction between domestic & international Trade - Concepts of Cost Difference, Adam Smith's Theory of International Trade, The Ricardian Theory
	December	Module 2: Modern Theories of International Trade Heckshcher- Ohlin Theory of International Trade, Factor Abundance: Two Criteria, Leontief Paradox, Haberlers theory of Opportunity Cost, Law of reciprocal demand and offer curves, Role of Factor Accumulation, Stolper-Samuelson theorem
	January	Module 3: Importance of Trade and Recent trends:



		Monopolistic competition and trade - firm heterogeneity, FDI: The concept and role, FDI Inflows- FDI Outflows, and the global supply chain, Business Process Outsourcing
	February	Module 4: Trade Policy and Regionalism Instruments of trade policy; Why countries cooperate? -GATT, GATS, Regional Trade Agreements - controversies in trade policy (labour standards, IPR and environment) ASEAN,SAARC,SAFTA, Protectionism Revision
	March	Semester End Examination

Semester: VI Class: TYBA
Subject/Paper Name: Industrial and Labour Economics: Paper XV

Semester	Month	Topics to be covered
VI	November	Unit – I Characteristics of the Indian labour market, Child labour and female labour – problems and measures, Globalization and Indian labour market, Labour market reforms – EXIT policy and need for safety nets, Second National Commission on Labour
	December	Unit - II Definition and Functions of Trade Unions, Historical evaluation of trade unions in India and their present status, Problems of trade unions in India, Role of outside leadership
	January	Unit – III Causes of Industrial disputes and their settlement mechanism, Collective bargaining : Concepts, Features, Importance and Pre – requisite for successful collective bargaining, Collective bargaining in India, Worker’s participation in management – concept, objectives and forms of worker’s participation in India
	February	Unit – IV Concept, Theories and Principles of labour welfare, Agencies for labour welfare, Role of the labour welfare officer, Social security – Concept; Social Assistance and Social Insurance Social security measures in India, International Labour Organization and its impact on Indian Labour Legislation Revision
	March	Semester End Examination

Semester: VI Class: TYBA
Subject/Paper Name: Development Theory and Experience: Paper XVII

Semester	Month	Topics to be covered
VI	November	Module I: Demography and Development: Demographic concepts; birth and death rates, age structure, fertility and mortality; demographic transitions during the process of development; gender bias in preferences and outcomes and evidence on unequal treatment within households; connections between income, mortality, fertility choices and human capital accumulation
	December	Module II: Structural Transformation: The Lewis model - Clark-Fisher model of structural change,



		Urbanization: Trends and Projections with reference to India, Urbanization and Development, Causes of urbanization, Urban informal sector, Policies for the urban informal sector, Migration and development, Economic theory of rural-urban migration: Harris-Todaro migration model
	January	Module III: Land, Labor and Credit Markets: Role of Agriculture in Economic Development, Market Failure and Agriculture, The distribution of land ownership; Land reform and its effects on productivity; contractual relationships between tenants and landlords; Land Acquisition; Nutrition and Labour Productivity; Rural Credit Market; Microfinance; Inter-linkages between Rural Factor Markets
	February	Module IV: The Environment and Development: The core of environmental problems- Rural poverty and environmental destruction- industrialization and environmental pollution - Economic models of environmental issues: privately owned resources, common property resources, public goods: regional environmental degradation and the free rider problem, limitations of public goods framework Revision
	March	Semester End Examination

Semester: I Class: FYBCom
Subject/Paper Name: Business Economics - I

Semester	Month	Topics to be covered
I	July	Unit – I Scope and importance of business economics, basic tools in economics, opportunity cost principle, incremental and marginal concepts, basic economic relation and functional relation. Unit – II Market demand and market supply curves and equilibrium, nature of demand curve in different markets.
	August	Unit – II Types and measurement of elasticity of demand, relationship between EOD and revenue concepts, meaning, types and methods of demand forecasting, case studies
	September	Unit – III Production function- short run and long run, law of variable proportion, law of returns to scale, Isoquants- types and properties, ridge lines and least cost combination of inputs, cost concepts, case studies
	October	Unit – III & IV Cost output relationship in the short run and long run, LAC and learning curve, break-even analysis, case studies Revision Semester End Examination

Semester: II Class: FYBCom
Subject/Paper Name: Business Economics - II



Semester	Month	Topics to be covered
II	November	Unit – I Types of Market structure, short run and long run equilibrium of a firm and industry under perfect competition and monopoly
	December	Unit – I & II sources of monopoly power, monopolistic elements and equilibrium of a firm under monopolistic competition, excess capacity and inefficiency-case studies
	January	Unit – III Key attributes of oligopoly market, collusive and non-collusive oligopoly, price rigidity, cartels and price leadership, cost- plus pricing, marginal cost pricing
	February	Unit – IV Mark-up pricing, discriminating pricing, transfer pricing, product pricing, case studies, meaning, importance and steps involve in capital budgeting
	March	Payback period, net present value , internal rate of return method, case studies Revision Semester End Examination

Semester: V Class: SYBCom
Subject/Paper Name: Business Economics - III

Semester	Month	Topics to be covered
III	June	Unit – I Introduction to macro-economics, Circular Flow of Income: Closed (two and three sector models) and Open Economy, Models, Trade Cycles: Features and Phases , Measurement of National Income
	July	Unit – II Says law of market, Consumption function, Investment function, Investment Multiplier-Working, assumption, reverse operation and leakages of Multiplier
	August	Unit – III Phillips Curve – Causes, Effects and Measures to Control Inflation, IS-LM Model: Framework, Impact of Fiscal and Monetary Policy Changes, Stagflation
	September	Supply of Money: Concept, Constituents and Determinants of Money Supply Velocity of Circulation of Money: Meaning and Factors Determining .Keynes’ Theory of Demand for Money , Liquidity Preference Theory of Rate of Interest , Inflation: Concept and Rate of Inflation – Demand Pull and Cost Push Inflation Revision
	October	Semester End Examination



Semester: IV Class: SYBCom
Subject/Paper Name: Business Economics - IV

Semester	Month	Topics to be covered
IV	November	Unit – I New Economic Policy 1991: Rationale and Key Policy Changes, Trends in National Income and Per Capita Income, Sector-wise Composition of National Income and Occupational Structure , Inclusive Growth, Progress of Human Development Index in India (Post 1991): Health, Gender Related Development and Economic Indicators
	December	Unit - II Government Policy with respect to Education and Health, Recent Trends in Employment, Problems of Unemployment, Trends in Agricultural Production and Productivity, New Agricultural Policy, 2000, and Recent Policy Measures, Public Distribution System and Food Security , WTO and Indian agriculture
	January	Unit – III Industrial Development since 1991: Growth and Diversification , MRTP and Competition Act, Comprehensive Policy Package for SSIs, 2000 and Recent Policy Measures, Service Sector: Growth & Performance since 1991, Banking Sector Reforms since 1991: Rationale and Measures, Structure of Banking in India
	February	Unit – IV Performance of Commercial Banks, Developmental and Promotional Functions of RBI, RBI’s Recent Measures of Money Supply, Inflation: Trends and Causes, Recent Changes in Monetary Policy in India. Revision

VISHWAS VASANT DESHMUKH

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Semester	Months	Topic Covered
Ist / IIIrd / Vth ODD SEM.	June	SY :----- TY :----- FY:-----
	July	SY. : P(III) U(iii) INTRODUCTION TO MATERIAL SCIENCE P (II) U (II) TRANSISTOR BIASING TY -- P(iv) U(i): REVISION AND CLASSICAL ELECTRODYNAMICS, APPLICATION OF COULONB’S LAW. ELECTRIC POTENTIAL, POISSON’S AND LAPLACE’S EQUATIONS, ELECTROSTATICS IN DIELECTRIC MEDIA
	August	FY – PAPER (II) U (III) COMPTON EFFECT SY – P(III)U(III) INTRODUCTION TO MATERIAL SCIENCE P (II)U(II) TRANSISTRO BIASING TY – U(II) ELECTROSTATICS OF DIELECTRIC MEDIA, INTRODUCTION TO MAGNETOSTATICS, AMPERE LAW AND ITS APPLICATIONS, MAXWELL’S EQUATIONS.
	September/	FY – INTRODUCTION TO ORIGIN OF QUANTUM MECHANICS SY - P(III)U(III) ELECTRICAL, MAGNETIC, OPTICAL CHARACTERISTICS OF MATERIALS,



	October	PROPERTIES AND APPLICATION OF MATERIALS P (II)U(II) GENERAL AMPLIFIER CHARACTERISTICS TY – APPLICATION OF MAXWELL’S EQUATION, POYNTING EQUATION, APPLICATION OF ELECTROMAGNETIC THEORY. TY. P (III) ATOMIC PHYSICS VIBRATIONAL SPECTROSCOPY, SPECTRAL LINES
IInd / IVth / VIth EVEN SEM.	November	{ SEMESTER END EXAMINATIONS }
	December	FY – PAPER I UNIT (III) SIMPLE HARMONIC MOTION SY – PAPER I U (II) NUMBER SYSTEMS P(III) U (III) INTRODUCTION TO COMMUNICATION TECHNOLOGY TY – PAPER II – TRANSISTOR THEORY , DA, OP-AMP THEORY, INTRODUCTION TO MULTIVIBRATORS
	January	FY – PAPER I UNIT (III) SIMPLE HARMONIC MOTION SY – PAPER I U (II) NUMBER SYSTEMS , FLIP FLOP CIRCUITS P(III) U (III) INTRODUCTION TO COMMUNICATION TECHNOLOGY , AM, FM, TY – PAPER II – MULTIVIBRATORS CIRCUITS, IC 555 TIMER, REGULATED POWER SUPPLY, COMMUNICATION
	February- March	FY – PAPER I UNIT (III) WAVE MOTION SY – PAPER I U (II) FLIP FLOP CIRCUITS, COUNTERS P(III) U (III) AM, FM, BASEBAND/BROADBAND, PPM PWM PCM ERROR ANALYSIS, ASK, FSK AND PSK TY – PAPER II – DIGITAL ELECTRONICS, POWER ELECTRONICS SCR, UJT, FET, PAPER III – U (III) NUCLEAR PHYSICS

PRADNYESH RAMESH WAGHMARE

Teaching Plan Format:

Semester	Months	Topic Covered
Ist / IIIrd / Vth ODD SEM.	June	FY----- SY----- TY-----
	July	SY - PAPER III : THERMODYNAMICS : 1) HEAT ENGINES - 2) 2 ND LAW OF THERMODYNAMICS 3) HEAT CYCLE TY – Paper V - 1)ELECTRICAL TRANSDUCER 2) CHEMICAL SENSOR 3) OPTICAL ELECTRONIC DEVICES 4) ELECTRONIC WEIGHING SYSTEM
	August	FY – PAPER I 1) BEHAVIOR OF REAL GASES SY - 3) HEAT CYCLE THERMODYNAMICS: 4) ENTROPY TY - 1) MICROPHONES 2) LOUD SPEAKERS 3) SWITCHINGDIGITAL INSTRUMENTS
	September/ October	FY – PAPER I – 2) 1 ST LAW OF THERMODYNAMICS SY - 4) ENTROPY THERMODYNAMICS: 5) 3 RD LAW OF Thermodynamics TY - 10) CATHODE RAY OSCILLOSCOPE 11) ANALOG ELCTRONICS MULTIMETERS. 12) DIGITAL INSTRUMENTS
IInd / IVth /	November	{ SEMESTER END EXAMINATIONS }
	December	FY – PAPER II – 1) ALTERNATING CURRENT THEORY 2) A.C.BRIDGES



VIth EVEN SEM.		SY – PAPER I -2) POLARISATION SY – PAPER III - 3) MICROPROCESSOR 8085 TY – PAPER V – 1)TRISTATE DEVICES 2) MULTIPLEXERS / DEMULTIPLEXERS 3) MEMORY CLASSIFICATION 4) 8085 MICROPROCESSOR AND ITS BASIC ASSEMBLY LANGUAGE PROG. I
	January	FY – PAPER II – 3) ELECTRONICS CIRCUIT THEOREM 4) DC POWER SUPPLY SY – PAPER III - 4) MICROPROCESSOR 8085 PROG.- I TY – PAPER V – 5) 8085 MICROPROCESSOR PROG.-III 6) MICROPROCESSOR PROG.- III 7) 8285 PPI
	February- March	FY – PAPER II – 4) DIGITAL ELECTRONICS SY – PAPER III -- 5) MICROPROCESSOR 8085 PROG.- I I TY – PAPER V – 8) BASICS CONCEPTS OF OBJECT ORIENTED PROGRAMMING & C++ - I 9) C++ LOOPING PROGRAMMING – II TY – PAPER V – 8) BASICS CONCEPTS OF OBJECT ORIENTED PROGRAMMING & C++ - I 9) C++ LOOPING PROGRAMMING - II





TEACHING PLAN: 2019 – 2020

Semester – I Class: F. Y. B. Sc. Division: PCM

Subject / Paper: I CALCULUS – I
Name: DR. S. ARUNACHALAM
Department: MATHEMATICS

Month	Topics to be covered
June	-
July	The Real Number System
August	The Real Number system and Sequences
September	Sequences
October	Limits and Continuity

Semester – II Class: F. Y. B. Sc. Division: PCM

Subject / Paper I: CALCULUS – II

Month	Topics to be covered
November	Series
December	Series and Continuous Functions
January	Differentiation
February	Differentiation and Applications
March	Applications of Differentiation

TEACHING PLAN: 2019 – 2020

Semester – III Class: S. Y. B. Sc. Division: PM

Subject / Paper I: CALCULUS – III
Name: DR. S. ARUNACHALAM
Department: MATHEMATICS

Month	Topics to be covered
June	-
July	Functions of Several Variables
August	Differentiation of Several Variables
September	Applications of Differentiation
October	Applications of Differentiation

Semester – IV Class: S. Y. B. Sc. Division: PM



Subject / Paper I: CALCULUS IV

Month	Topics to be covered
November	Riemann Integration
December	Riemann Integration
January	Indefinite and Improper Riemann Integrals
February	Beta and Gamma Functions
March	Applications

TEACHING PLAN: 2019 – 2020**Semester – III Class: S. Y. B. Sc.****Division: PM**

Subject / Paper III: DISCRETE MATHEMATICS

Name: DR. S. ARUNACHALAM

Department: MATHEMATICS

Month	Topics to be covered
June	-
July	Permutations
August	Recurrence Relation
September	Preliminary Counting
October	Advanced Counting

Semester – IV Class: S. Y. B. Sc.**Division: PM****Subject / Paper III: DIFFERENTIAL EQUATIONS**

Month	Topics to be covered
November	First order First degree Differential equations
December	First order First degree Differential equations
January	Second order Linear Differential equations
February	Second order Linear Differential equations
March	Linear System of Ordinary Differential Equations

TEACHING PLAN: 2018 – 2019**Semester – I Class: F. Y. B. Com****Division: E**

Subject / Paper: MATHEMATICAL AND STATISTICAL TECHNIQUES

Name: DR. S. ARUNACHALAM

Department: MATHEMATICS

Month	Topics to be covered
July	Maths: Linear Programming Problem



August	Maths: Permutations and Combinations
September	Maths: Shares
October	Maths: Mutual Funds

Semester – II Class: F. Y. B. Com Division: E

Subject / Paper: MATHEMATICAL AND STATISTICAL TECHNIQUES

Month	Topics to be covered
November	Maths: Derivatives
December	Maths: Applications of Derivatives
January	Maths: Applications of Derivatives
February	Maths: Simple and Compound Interest
March	Maths: Annuity

TEACHING PLAN: 2019 – 2020

Semester – I Class: F. Y. B. Sc. Division: PCM

Subject / Paper: I CALCULUS – I
Name: DR. S. ARUNACHALAM
Department: MATHEMATICS

Month	Topics to be covered
June	-
July	The Real Number System
August	The Real Number system and Sequences
September	Sequences
October	Limits and Continuity

Semester – II Class: F. Y. B. Sc. Division: PCM

Subject / Paper I: CALCULUS – II

Month	Topics to be covered
November	Series
December	Series and Continuous Functions
January	Differentiation
February	Differentiation and Applications
March	Applications of Differentiation

TEACHING PLAN: 2019 – 2020

Semester – III Class: S. Y. B. Sc.

Division: PM



Subject / Paper I: CALCULUS – III
 Name: DR. S. ARUNACHALAM
 Department: MATHEMATICS

Month	Topics to be covered
June	-
July	Functions of Several Variables
August	Differentiation of Several Variables
September	Applications of Differentiation
October	Applications of Differentiation

Semester – IV Class: S. Y. B. Sc. Division: PM

Subject / Paper I: CALCULUS IV

Month	Topics to be covered
November	Riemann Integration
December	Riemann Integration
January	Indefinite and Improper Riemann Integrals
February	Beta and Gamma Functions
March	Applications

TEACHING PLAN: 2019 – 2020

Semester – III Class: S. Y. B. Sc. Division: PM

Subject / Paper III: DISCRETE MATHEMATICS
 Name: DR. S. ARUNACHALAM
 Department: MATHEMATICS

Month	Topics to be covered
June	-
July	Permutations
August	Recurrence Relation
September	Preliminary Counting
October	Advanced Counting

Semester – IV Class: S. Y. B. Sc. Division: PM

Subject / Paper III: DIFFERENTIAL EQUATIONS

Month	Topics to be covered
November	First order First degree Differential equations
December	First order First degree Differential equations
January	Second order Linear Differential equations
February	Second order Linear Differential equations
March	Linear System of Ordinary Differential Equations



TEACHING PLAN: 2018 – 2019

Semester – I Class: F. Y. B. Com

Division: E

Subject / Paper: MATHEMATICAL AND STATISTICAL TECHNIQUES

Name: DR. S. ARUNACHALAM

Department: MATHEMATICS

Month	Topics to be covered
July	Maths: Linear Programming Problem
August	Maths: Permutations and Combinations
September	Maths: Shares
October	Maths: Mutual Funds

Semester – II Class: F. Y. B. Com

Division: E

Subject / Paper: MATHEMATICAL AND STATISTICAL TECHNIQUES

Month	Topics to be covered
November	Maths: Derivatives
December	Maths: Applications of Derivatives
January	Maths: Applications of Derivatives
February	Maths: Simple and Compound Interest
March	Maths: Annuity

Department of Botany

TEACHING PLAN 2019-20

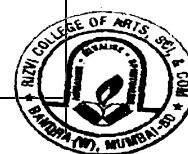
Semester - I

Class - FYBSc

Division - A

Subject/ Paper Name - Botany - I

Month	Topics to be Covered
June	
July	Algae Fungi
August	Algae Fungi Bryophytes
	Bryophytes



September - October	
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Semester - II

Class - FYBSc

Division - A

Subject/ Paper Name - Botany - I

Month	Topics to be Covered
November	Pteridophytes Angiosperms
December	Pteridophytes Angiosperms
January	Gymnosperms
February-March	Gymnosperms

TEACHING PLAN 2019-20

Semester – I

Class - FYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
June	
July	Cell Biology Ecology
August	Cell Biology Ecology Genetics
September - October	Genetics

Semester - II

Class - FYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
November	Anatomy



December	Anatomy Physiology
January	Medicinal Botany Physiology
February-March	Medicinal Botany

TEACHING PLAN 2019-20

Semester - III

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - I

Month	Topics to be Covered
June	Algae
July	Algae Bryophytes
August	Bryophytes Angiosperms
September - October	Angiosperms

Semester - IV

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - I

Month	Topics to be Covered
November	Fungi Plant Pathology
December	Lichens Pteridophyte
January	Lichen Pteridophyte
February-March	Palaeobotany Gymnosperm

TEACHING PLAN 2019-20

Semester - III

Class - SYBSc

Division - A



Subject/ Paper Name - Botany - II

Month	Topics to be Covered
June	Instrumentation and Techniques
July	Instrumentation and Techniques Cytogenetics
August	Cell Biology Cytogenetics
September - October	Cell Biology

Semester - IV

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
November	Anatomy
December	Anatomy Physiology
January	Physiology Ecology & Environmental Botany
February- March	Plant Biochemistry Ecology & Environmental Botany

TEACHING PLAN 2019-20

Semester - III

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - III

Month	Topics to be Covered
June	Pharmacognosy Forestry
July	Phytochemistry Forestry
August	Economic Botany Molecular Biology
September -	Economic Botany



October	Molecular Biology
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Semester - IV

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - III

Month	Topics to be Covered
November	Horticulture Biostatistics
December	Horticulture Biotechnology
January	Biotechnology Bioinformatics
February-March	Bioinformatics

TEACHING PLAN 2019-20

Semester - V

Class - TYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
June	Palaeobotany Anatomy I
July	Palaeobotany Anatomy I
August	Palynology Angiosperms I
September - October	Palynology Angiosperms I

Semester - VI

Class - TYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
November	Gymnosperms Embryology
December	Gymnosperms Embryology
January	Angiosperms II



	Anatomy II
February-March	Angiosperms II Anatomy II

TEACHING PLAN 2019-20

Semester - V

Class - TYBSc

Division - A

Subject/ Paper Name - Botany - III

Month	Topics to be Covered
June	Physiology I Biostatistics
July	Physiology I Biostatistics
August	Cytology Environmental Botany
September - October	Molecular Biology Environmental Botany

Semester - VI

Class - TYBSc

Division - A

Subject/ Paper Name - Botany - III

Month	Topics to be Covered
November	Physiology II Horticulture
December	Physiology II Cosmetology
January	Genetics Bioinformatics
February-March	Genetics Bioinformatics

**Teaching Plan
(Academic Year 2019 - 20)**

Semester: III

Class: SYBCom

Subject/Paper Name: Business Law - I

Month	Topics to be covered
June	Module I - India Contract Act, 1872 Part - 1
July	Module II - India Contract Act, 1872 Part - 2
August	Module III - Special Contracts
September	Module IV - Sale of Goods Act 1930 Module V - Negotiable Instruments Act, 1881



October	SEMISTER III EXAM
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Semester: IV

Class: SYBCom

Subject/Paper Name: Business Law - II

Month	Topics to be covered
November	Module I - Companies Act, 2013 Part - 1
December	Module II - Companies Act, 2013 Part - 2
January	Module III - Indian Partnership Act, 1932 Module IV - Consumer Protection Act, 1986
February	Module IV - Competition Act 2002 Module V - Intellectual Property Rights
March	SEMISTER IV EXAM
April	

Teaching Plan
(Academic Year 2019 - 20)

Semester: I

Class: FYBCom B,C & E

Subject/Paper Name: Accountancy and Financial Management -I

Month	Topics to be covered
June	Inventory Valuation
July	Inventory Valuation and Accounting for Hire Purchase_ Introduction
August	Accounting for Hire Purchase
September	Capital and Revenue and Final Accounts
October	Final Accounts- Practice Problems

Semester: II

Class: FYBCom B,C & E

Subject/Paper Name: Accountancy and Financial Management

Month	Topics to be covered
November	SEMISTER I EXAM
December	Fire Insurance
January	Consignment Accounts
February	Accounting from Incomplete Records
March	SEMISTER II EXAM
April	

Teaching Plan
(Academic Year 2019 - 20)

Semester: III

Class: SYBCom C

Subject/Paper Name: Accountancy and Financial Management

Month	Topics to be covered
June	Piecemeal Distribution- Introduction
July	Piecemeal Distribution- Statement of Excess Capital
August	Piecemeal Distribution- Main Statement and Practice Problems
September	Piecemeal Distribution- Practice Problems
October	SEMISTER III EXAM

Semester: IV

Class: SYBCom C

Subject/Paper Name: Accountancy and Financial Management

Month	Topics to be covered
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November	PPI- Introduction
December	PPI- Practice Problems
January	PPI- Practice Problems
February	PPI- Practice Problems
March	SEMISTER IV EXAM
April	

Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: TYBCom A, B & C

Subject/Paper Name: Cost Accountancy

Month	Topics to be covered
June	Introduction to Cost Accounting
July	Material Cost
August	Overheads
September	Labour Cost
October	SEMISTER V EXAM

Semester: VI

Class: TYBCom A, B & C

Subject/Paper Name: Cost Accountancy

Month	Topics to be covered
November	Process Costing
December	Introduction to Marginal Costing
January	Contract Costing
February	Introduction to Standard Costing
March	SEMISTER VI EXAM
April	

DEPARTMENT OF COMMERCE
TEACHING PLAN FOR 2019-2020
SEMESTER WISE

FY BCom (Paper Com I)

Sem I

Ashfaq Khan

June	NA
July	Module -I a. Introduction to Business b. Objectives of Business
August	c. Functions of Business d. New trends in Business
September	e. New trends in Business
October	Exams

FYBCom (Paper Com II)



SemII

November	Module I a. Introduction b. Types etc
December	c. Nature /importance etc
January	d. Scope e. Opportunities and challenges
February	f. Opportunities and challenges
March	Exams

DEPARTMENT OF COMMERCE

TEACHING PLAN FOR 2019-2020

SYBCom SEM III (Com III Paper)

Month	S.Y.Bom
June	Module I
July	Module I & II
August	Module II and III
September	Module III & IV
October	Exams

Month	S.Y.BCom (Com Paper IV) Sem IV
November	Module I
December	Module II
Jananuary	Module II & III
February	Module III & IV
March	Exams

DEPARTMENT OF COMMERCE

TEACHING PLAN FOR 2019-2020

SEM V (Paper Com V)



Month	T.Y.BCom
June	Module I
July	Module I & II
August	Module II & III
September	Module III & IV
October	Revision

Month	T.Y.BCom Paper VI Sem VI
November	Module I
December	Module I & II
Jananuary	Module II & III
February	Module III & IV
March	Revision

Teaching Plan
(Academic Year 2019 - 20)

Semester: I Class: FYBCOM Division- A,B,C & E

Subject/Paper Name: Business Economics

Month	Topics to be covered
July	Scope and importance of business economics, basic tools in economics, opportunity cost principle, incremental and marginal concepts, basic economic relation and functional relation. Market demand and market supply curves and equilibrium, nature of demand curve in different markets.
August	types and measurement of elasticity of demand, relationship between EOD and revenue concepts, meaning, types and methods of demand forecasting, case studies
September	Production function- short run and long run, law of variable proportion, law of returns to scale, isoquants- types and properties, ridge lines and least cost combination of inputs, cost concepts, case studies
October	Cost output relationship in the short run and long run, LAC and learning curve, break-even analysis, case studies

Semester: II Class: FYBCOM Division- A,B,C & E

Subject/Paper Name: Business Economics



Month	Topics to be covered
November-December	Types of Market structure, short run and long run equilibrium of a firm and industry under perfect competition and monopoly, sources of monopoly power, monopolistic elements and equilibrium of a firm under monopolistic competition, excess capacity and inefficiency- case studies
January	Key attributes of oligopoly market, collusive and non-collusive oligopoly, price

	rigidity, cartels and price leadership, cost- plus pricing, marginal cost pricing
February	Mark-up pricing, discriminating pricing, transfer pricing, product pricing, case studies, meaning, importance and steps involve in capital budgeting
March	Payback period, net present value , internal rate of return method, case studies

Teaching Plan
(Academic Year 2019 - 20)

Semester: III **Class: SYBCOM** **Division- A**

Subject/Paper Name: Business Economics

Month	Topics to be covered
June	Introduction to macro economics, Circular Flow of Income: Closed (two and three sector models) and Open Economy, Models, Trade Cycles: Features and Phases , Measurement of National Income
July	Says law of market, Consumption function, Investment function, Investment Multiplier-Working, assumption, reverse operation and leakages of Multiplier
August	Phillips Curve – Causes, Effects and Measures to Control Inflation, IS-LM Model: Framework, Impact of Fiscal and Monetary Policy Changes, Stagflation
September-October	Supply of Money: Concept, Constituents and Determinants of Money Supply Velocity of Circulation of Money: Meaning and Factors Determining .Keynes' Theory of Demand for Money , Liquidity Preference Theory of Rate of Interest , Inflation: Concept and Rate of Inflation – Demand Pull and Cost Push Inflation

Semester: IV **Class: SYBCOM** **Division- A**

Subject/Paper Name: Business Economics

Month	Topics to be covered
November	Efficiency, Productive and Allocative efficiency, producer surplus and consumer surplus
December	Principle of maximum social advantage, market, Market failure, Causes and Role of Government to correct Market failure
January	Sources of revenue, Direct and Indirect taxes, objectives of taxation, Tax base and Tax rate, Canon of Taxation, Impact, Incidence and Shifting of Taxation
February	Public expenditure, Classification, Causes, Theories on Public expenditure, Public debt
March	Management of Public debt, fiscal policy, concepts of deficit, structure of Union budget, types of budget, Fiscal federalism, Fiscal decentralization, centre-state fiscal relation



Teaching Plan
(Academic Year 2019 - 20)

Semester: V **Class: TYBCOM** **Division- A & B**

Subject/Paper Name: Business Economics

Month	Topics to be covered
June	NEP 1991, Social Infrastructure, Government programmes to promote health and Education, Sustainable development goals, FDI
July	NAP 2000, Agricultural Finance, Agriculture Marketing, Agricultural Pricing

August	Industrialisation, Competition Act 2000, Disinvestment Policy, MSME Sector, Service sector
September	Banking Sector, Insurance Sector, Capital market and Money Market

Semester: VI

Class: TYBCOM

Division- A & B

Subject/Paper Name: Business Economics

Month	Topics to be covered
November	Theories of International Trade: Comparative Cost Theory, Heckscher Ohlin Theory, Terms of Trade: Meaning & Types – Gains from Trade (with Offer Curves)
December	Concept & Structure of BOP, Causes of Disequilibrium, Measures to Correct Disequilibrium in BOP- India's BOP Position since 1991- WTO Agreements with reference to TRIPS, TRIMS and GATS
January	Concept of Foreign Exchange Market: Functions and Dealers - Exchange Rate Systems - Spot and Forward Exchange Rate - Hedging, Arbitrage and Speculation, Exchange Rate Determination -Purchasing Power Parity Theory
February-March	Role of Central Banks in Foreign Exchange Market -RBI's Intervention in Foreign Exchange Rate Management Since 1991 (stages)

**Teaching Plan
(Academic Year 2019 - 20)**

Semester: 6th SEM

Class: TY B.SC (CS)

Subject/Paper Name: Ethical Hacking

Months	Topics to be covered	Assigned Lecture
November	Information Security: Attacks and Vulnerabilities, Introduction to information security : Asset, Access Control, CIA, Authentication, Authorization, Risk, Threat, Vulnerability, Attack, Attack Surface, Malware, Security-Functionality-Ease of Use Triangle	3
December	Types of malware: Worms, viruses, Trojans, Spyware, Rootkits Types of vulnerabilities : OWASP Top 10 : cross-site scripting (XSS), cross site request forgery (CSRF/XSRF), SQL injection, input parameter manipulation, broken authentication, sensitive information disclosure, XML External Entities, Broken access control, Security Misconfiguration, Using components with known vulnerabilities, Insufficient Logging and monitoring, OWASP Mobile Top 10, CVE Database Types of attacks and their common prevention mechanisms : Keystroke Logging, Denial of Service (DoS /DDoS), Waterhole attack, brute force, phishing and fake WAP, Eavesdropping, Man-in-the-middle, Session Hijacking, Click jacking, Cookie Theft, URL Obfuscation, buffer overflow, DNS poisoning, ARP poisoning, Identity Theft, IoT Attacks, BOTs and BOTNETs Case-studies : Recent attacks – Yahoo, Adult Friend Finder, eBay, Equifax, Wanna Cry, Target Stores, Uber, JP Morgan Chase, Bad Rabbit	10
January	Ethical Hacking – I (Introduction and pre-attack) Introduction: Black Hat vs. Gray Hat vs. White Hat (Ethical) hacking, Why is	10



	Ethical hacking needed?, How is Ethical hacking different from security auditing and digital forensics?, Signing NDA, Compliance and Regulatory concerns, Black box vs. White box vs. Black box, Vulnerability assessment and Penetration Testing. Approach: Planning - Threat Modeling, set up security verification standards, Set up security testing plan – When, which systems/apps, understanding functionality, black/gray/white, authenticated vs. unauthenticated, internal vs. external PT, Information gathering, Perform Manual and automated (Tools: Web Inspect/Qualys, Nessus, Proxies, Metasploit) VA and PT, How WebInspect/Qualys tools work: Crawling/Spidering, requests forging, pattern matching to known vulnerability database and Analyzing results, Preparing report, Fixing security gaps following the report	
February	Enterprise strategy : Repeated PT, approval by security testing team, Continuous Application Security Testing, Phases: Reconnaissance/foot-printing/Enumeration, Phases: Scanning, Sniffing Ethical Hacking: Enterprise Security Phases: Gaining and Maintaining Access: Systems hacking – Windows and Linux – Meta sploit and Kali Linux, Key logging, Buffer Overflows, Privilege Escalation, Network hacking - ARP Poisoning, Password Cracking, WEP Vulnerabilities, MAC Spoofing, MAC Flooding, IPspoofing, SYN Flooding, and Smurf attack,	8
March	Applications hacking: SMTP/Email-based attacks, VOIP vulnerabilities, Directory traversal, Input Manipulation, Brute force attack, Unsecured login mechanisms, SQL injection, XSS, Mobile apps security, Malware analysis: Netcat Trojan, wrapping definition, reverse engineering	8
April	Phases: Covering your tracks: Steganography, Event Logs alteration Additional Security Mechanisms: IDS/IPS, Honeypots and evasion techniques, Secure Code Reviews (Fortify tool, OWASP Secure Coding Guidelines)	6

Teaching Plan
(Academic Year 2019 - 20)

Semester: 4th SEM

Class: SY B.SC (CS)

Subject/Paper Name: Fundamental of Algorithm

Months	Topics to be covered	Assigned Lecture
November	Introduction to algorithm , Why to analysis algorithm, Running time analysis, How to Compare Algorithms, Rate of Growth, Commonly Used Rates of Growth, Types of Analysis, Asymptotic Notation , Big-O Notation, Omega-Ω Notation, Theta-Θ Notation, Asymptotic Analysis, Properties of Notations, Commonly used Logarithms and Summations, Performance characteristics of algorithms, Master Theorem for Divide and Conquer, Divide and Conquer	3
December	Master Theorem: Problems & Solutions, Master Theorem for Subtract and Conquer Recurrences, Method of Guessing and Confirming Tree algorithms: What is a Tree? Glossary, Binary Trees, Types of Binary Trees, Properties of Binary Trees, Binary Tree Traversals, Generic Trees (N-ary Trees), Threaded Binary Tree Traversals, Expression Trees, Binary Search Trees (BSTs), Balanced Binary Search Trees, AVL (Adelson-Velskii and Landis) Trees	10



January	Graph Algorithms: Introduction, Glossary, Applications of Graphs, Graph Representation, Graph Traversals, Topological Sort, Shortest Path Algorithms and Minimal Spanning Tree Selection Algorithms: What are Selection Algorithms? Selection by Sorting, Partition-based Selection Algorithm, Linear Selection Algorithm - Median of Medians Algorithm, Finding the K Smallest Elements in Sorted Order	10
February	Algorithms Design Techniques: Introduction, Classification, Classification by Implementation Method, Classification by Design Method Greedy Algorithms: Introduction, Greedy Strategy, Elements of Greedy Algorithms, Advantages and Disadvantages of Greedy Method, Greedy Applications, Understanding Greedy Technique	8
March	Divide and Conquer Algorithms: Introduction, What is Divide and Conquer Strategy? Divide and Conquer Visualization, Understanding Divide and Conquer, Advantages of Divide and Conquer, Disadvantages of Divide and Conquer, Master Theorem, Divide and Conquer Applications	8
April	Dynamic Programming: Introduction, What is Dynamic Programming Strategy? Properties of Dynamic Programming Strategy, Problems which can be solved using Dynamic Programming, Dynamic Programming Approaches, Examples of Dynamic Programming Algorithms, Understanding Dynamic Programming, Longest Common Subsequence	6

Teaching Plan
(Academic Year 2019 - 20)

Semester: 4th SEM

Subject/Paper Name: Computer Network

Class: SY B.SC (CS)



Months	Topics to be covered	Assigned Lecture
November	Introduction Network Models: Introduction to data communication, Components, Data Representation, Data Flow, Networks, Network Criteria, Physical Structures,	3
December	Network types, Local Area Network, Wide Area Network, Switching, The Internet, Accessing the Internet, standards and administration Internet Standards. Network Models: Protocol layering, Scenarios, Principles of Protocol Layering, Logical Connections, TCP/IP Protocol Suite, Layered Architecture, Layers in the TCP/IP Protocol Suite, Encapsulation and Decapsulation, Addressing, Multiplexing and Demultiplexing. Detailed introduction to Physical Layer, Detailed introduction to Data-Link Layer, Detailed introduction to Network Layer, Detailed introduction to Transport Layer, Detailed introduction to Application Layer.	10
January	Data and Signals, Analog and Digital Data, Analog and Digital Signals, Sine Wave Phase, Wavelength, Time and Frequency Domains, Composite Signals, Bandwidth, Digital Signal, Bit Rate, Bit Length, Transmission of Digital Signals, Transmission Impairments, Attenuation, Distortion, Noise, Data Rate Limits, Performance, Bandwidth, Throughput, Latency (Delay) Introduction to Physical Layer and Data-Link Layer: Digital Transmission digital-to-digital conversion, Line Coding, Line Coding Schemes, analog-to-digital conversion, Pulse Code Modulation (PCM), Transmission Modes, Parallel Transmission, Serial Transmission. Analog Transmission, digital-to-analog Conversion, Aspects of Digital-to-Analog Conversion, Amplitude Shift Keying, Frequency Shift Keying, Phase Shift Keying, analog-to-analog Conversion, Amplitude Modulation (AM), Frequency Modulation (FM), Phase Modulation (PM), Multiplexing, Frequency-Division Multiplexing, Wavelength-Division Multiplexing, Time-Division Multiplexing. Transmission Media, Guided Media, Twisted-Pair Cable, Coaxial Cable, Fiber-Optic Cable.	10
February	Switching: Three Methods of Switching, Circuit Switched Networks, Packet Switching, Introduction to Data-Link Layer: Nodes and Links, Services, Two Sub-layers, Three Types of addresses, Address Resolution Protocol (ARP). Error Detection and Correction, introduction, Types of Errors, Redundancy, Detection versus Correction,	8
March	Network layer, Transport Layer : Media Access Control (MAC), random access, CSMA, CSMA/CD, CSMA/CA, controlled access, Reservation, Polling, Token Passing, channelization, FDMA, TDMA, CDMA. Connecting Devices and Virtual LANs, connecting devices, Hubs, Link-Layer, Switches, Routers, Introduction to Network Layer: network layer services, Packetizing, Routing and Forwarding, Other Services, IPv4 addresses, Address Space, Classful Addressing. Unicast Routing, General Idea, Least-	8

	Cost Routing, Routing Algorithms, Distance-Vector Routing, Link-State Routing, Path-Vector Routing,	
April	Introduction to Transport Layer: Transport-Layer Services, Connectionless and Connection-Oriented Protocols. Transport-Layer Protocols, Service, Port Numbers, User Datagram Protocol, User Datagram, UDP Services, UDP Applications, Transmission Control Protocol, TCP Services, TCP Features, Segment	6



Teaching Plan
(Academic Year 2019 - 20)

Semester: 2nd SEM

Class: FY B.SC (IT)

Subject/Paper Name: Green Computing

Months	Topics to be covered	Assigned Lecture
November	Overview and Issues: Problems: Toxins, Power Consumption, Equipment Disposal, Company's Carbon Footprint: Measuring, Details, reasons to bother, Plan for the Future, Cost Savings: Hardware, Power. Initiatives and Standards:	8
December	Global Initiatives: United Nations, Basel Action Network, Basel Convention, North America: The United States, Canada, Australia, Europe, WEEE Directive, RoHS, National Adoption, Asia: Japan, China, Korea. Minimizing Power Usage: Power Problems, Monitoring Power Usage, Servers, Low-Cost Options, Reducing Power Use, Data De-Duplication, Virtualization, Management, Bigger Drives, Involving the Utility Company, Low- Power Computers, PCs, Linux, Components, Servers, Computer Settings, Storage, Monitors, Power Supplies, Wireless Devices, Software.	10
January	Cooling: Cooling Costs, Power Cost, Causes of Cost, Calculating Cooling Needs, Reducing Cooling Costs, Economizers, On-Demand Cooling, HP's Solution, Optimizing Airflow, Hot Aisle/Cold Aisle, Raised Floors, Cable Management, Vapour Seal, Prevent Recirculation of Equipment Exhaust, Supply Air Directly to Heat Sources, Fans, Humidity, Adding Cooling, Fluid Considerations, System Design, Data centre Design, Centralized Control, Design for Your Needs, Put Everything Together. Changing the Way of Work: Old Behaviors, starting at the Top, Process Reengineering with Green in Mind, Analyzing the Global Impact of Local Actions, Steps: Water, Recycling, Energy, Pollutants, Teleworkers and Outsourcing, Telecommuting, Outsourcing, how to Outsource.	10
February	Going Paperless: Paper Problems, The Environment, Costs: Paper and Office, Practicality, Storage, Destruction, Going Paperless, Organizational Realities, Changing Over, Paperless Billing, Handheld Computers vs. the Clipboard, Unified Communications, Intranets, What to Include, Building an Intranet, Microsoft Office SharePoint Server 2007, Electronic Data Interchange (EDI), Nuts and Bolts, Value Added Networks, Advantages, Obstacles. UNIT-IV Recycling: Problems, China, Africa, Materials, Means of Disposal, Recycling, Refurbishing, Make the Decision, Life Cycle, from beginning to end, Life, Cost, Green Design, Recycling Companies, Finding the Best One, Checklist, Certifications, Hard Drive Recycling, Consequences, cleaning a Hard Drive, Pros and cons of each method, CDs and DVDs, good and bad about CD and DVDs disposal, Change the mind-set, David vs. America Online	11
March	Hardware Considerations: Certification Programs, EPEAT, RoHS, Energy Star, Computers, Monitors, Printers, Scanners, All-in-Ones, Thin Clients, Servers, Blade Servers, Consolidation, Products, Hardware Considerations, Planned Obsolescence, Packaging, Toxins, Other Factors, Remote Desktop, Using Remote Desktop, Establishing a Connection, In Practice UNIT-V Greening Your Information Systems: Initial Improvement Calculations, Selecting Metrics, Tracking Progress, Change Business Processes, Customer Interaction, Paper Reduction, Green Supply Chain, Improve Technology Infrastructure, Reduce PCs and Servers, Shared Services, Hardware Costs, Cooling.	11
April	Staying Green: Organizational Check-ups, Chief Green Officer, Evolution, Sell the CEO, SMART Goals, Equipment Check-ups, Gather Data, Tracking the data, Baseline Data, Benchmarking, Analyse Data, Conduct Audits, Certifications, Benefits, Realities, Helpful Organizations.	10

Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: TYBSC



Subject/Paper Name: Chemistry/Organic Chemistry-Paper-III

Month	Topics to be covered
June	Organic synthesis
July	Organic synthesis + Natural products
August	Natural products + Spectroscopy-I
September	Natural products + Spectroscopy-I + Practice of reactions + Solving of Question papers
October	Mock test + Practical & Theory Exams

Semester: V

Class: TYBSC

Subject/Paper Name: Chemistry/Organic Chemistry-Paper-III

Month	Topics to be covered
November	Carbohydrates
December	Carbohydrates + Spectroscopy-II
January	Spectroscopy-II + Amino acids & Proteins
February	Amino acids & Proteins + Nucleic acids
March	Nucleic acids + Practice of reactions + Solving of Question papers
April	Mock test + Practical & Theory Exams

Teaching Plan

(Academic Year 2019 - 20)

Semester: V

Class: TYBSC

Subject/Paper Name: Applied Chemistry/ Drugs & Dyes- Paper-V

Month	Topics to be covered
June	General introduction to drugs
July	Routes of Drug Administration & Dosage forms
August	Pharmacodynamic Agents
September	Pharmacodynamic Agents + Assignments-Practice+ Solving of Question papers
October	Mock test + Practical & Theory Exams

Semester: V

Class: TYBSC

Subject/Paper Name: Applied Chemistry/ Drugs & Dyes- Paper-V

Month	Topics to be covered
November	Drug discovery Design & development
December	Drug Metabolism
January	Chemotherapeutic Agents
February	Chemotherapeutic Agents
March	Assignments-Practice + Solving of Question papers
April	Mock test + Practical & Theory Exams

Teaching Plan

(Academic Year 2019 - 20)

Semester: III

Class: SYBSc

Subject/Paper Name : Foundation Course - III



Month	Topics to be covered
June	Unit 1 - Human Rights Violations And Redressal.
July	Unit 2 - Dealing With Environmental Concerns.
August	Unit 3 - Science And Technology I.
September	Unit 4 - Soft Skills For Effective Interpersonal Communication.
October	SEMISTER III EXAM

Semester: IV

Class: SYBSc

Subject/Paper Name : Foundation Course - IV

Month	Topics to be covered
November	Unit 1 - Significant, Contemporary Rights Of Citizens
December	Unit 2 - Approaches To Understanding Ecology
January	Unit 3 - Science And Technology-II.
February	Unit 4 - Introduction To Competitive Exams.
March	SEMISTER IV EXAM
April	

Teaching Plan
(Academic Year 2019 - 20)

Subject / Paper Name : Zoology Class : F.Y. B.Sc Semester : I

Months	Topic to be covered
June	-
July	-
August	Footsteps to follow
September	Footsteps to follow
October	Examination

Subject / Paper Name : Zoology Class : F.Y. B.Sc Semester : II

Months	Topic to be covered
Novemeber	Ecosystem
December	Ecosystem
January	Ecosystem
February	Ecosystem
March	Ecosystem
April	Examination

Subject / Paper Name : Zoology

Class : S.Y. B.Sc

Semester : III



Months	Topic to be covered
June	Study of Nutrition and Excretion
July	Study of Nutrition and Excretion
August	Ethology
September	Ethology
October	Examination

Subject / Paper Name : Zoology

Class : S.Y. B.Sc

Semester : IV

Months	Topic to be covered
Novemeber	Endomembrane System
December	Endomembrane System
January	Endomembrane System
February	Pollution and its effect on organisms
March	Pollution and its effect on organisms
April	Examination

Subject / Paper Name: Zoology

Class : T.Y. B.Sc

Semester : V

Months	Topic to be covered
June	Kingdom Animalia I
July	Kingdom Animalia I
August	Oceanography, Craft and Gear
September	Quality control and packaging
October	Examination

Subject / Paper Name : Zoology

Class : T.Y. B.Sc

Semester : VI

Months	Topic to be covered
Novemeber	Group Euchordata III
December	Group Euchordata III



January	Marine Fin - fish of India
February	Marine Fin - fish of India
March	Examination
April	Examination

Teaching Plan
(Academic Year 2019 - 20)

Semester: I

Class: F.Y.B.Sc

Subject/Paper Name: Zoology

Month	Topics to be covered
June	-
July	Laboratory safety, Units and Measurement
August	Laboratory safety, Units and Measurement
September	Biodiversity and its Conservation
October	Examination

Semester: II

Class: F.Y.B.Sc

Subject/Paper Name: Zoology

Month	Topics to be covered
November	National Parks and Sanctuaries of India
December	National Parks and Sanctuaries of India
January	National Parks and Sanctuaries of India
February	Public health hygiene
March	Public health hygiene
April	Examination

Semester: III

Class: S.Y.B.Sc

Subject/Paper Name: Zoology

Month	Topics to be covered
June	Fundamentals of genetics
July	Fundamentals of genetics
August	Respiration and Circulation
September	Respiration and Circulation
October	Examination

Semester: IV

Class: S.Y.B.Sc

Subject/Paper Name: Zoology

Month	Topics to be covered
November	Population genetics and evolution
December	Population genetics and evolution
January	Population genetics and evolution
February	Scientific Attitude, Methodology, Scientific



	Writing and Ethics in Scientific Research
March	Scientific Attitude, Methodology, Scientific Writing and Ethics in Scientific Research
April	Examination

Semester: V **Class: T.Y.B.Sc**

Subject/Paper Name: Zoology

Month	Topics to be covered
June	Basic Immunology
July	Basic Immunology
August	Quality Control and Packaging
September	Marketing and Finance
October	Examination

Semester: VI **Class: T.Y.B.Sc**

Subject/Paper Name: Zoology

Month	Topics to be covered
November	Enzymology
December	Enzymology
January	Marine Shellfish of India
February	Preservation and Processing
March	Preservation and Processing
April	Examination

**Teaching Plan
(2019 - 20)**

Name of the Faculty: Shweta Dubey

Designation: Assistant Professor

Department: Economics

Semester: III **Class: SYBA**

Subject/Paper Name: Indian Economy (302)

Semester	Month	Topics to be covered
III	June	Module - I Demonetization: To Deify or Demonize? Objectives of demonetisation and previous instances of demonetisation - India's demonetisation as unprecedented in international economic history - Short term costs and Long term benefits of demonetization - Analytics of demonetization - Future policy measures to maximise benefits and minimise costs of demonetisation.
	July	Module – II Fiscal Framework: The World is Changing, Should India Change Too? Fiscal Responsibility and Budget Management (FRBM) Act - Why there is a need for counter-cyclical fiscal policy in India? - Debt dynamics with the help of equation for debt sustainability Fiscal Rules: Lessons from the States Fiscal Responsibility Legislation (FRL) - Impact of FRL on Budget process - Impact of FRL on Deficits - Lessons for future fiscal rules
	August	Module – III Universal Basic Income: A Conversation With and Within the Mahatma



		The Conceptual/Philosophical case for UBI - The Conceptual Case against UBI - Arguments in Favour and Against UBI - How can UBI overcome the issues of misallocation and leakages of resources? - Can UBI improve financial inclusion? - Will UBI lead to moral hazard and reduce labour supply? - What are the guiding principles for setting up UBI? - What are the prerequisites for introducing UBI? - Is there fiscal space to finance UBI?
	September	Module – IV Income, Health and Fertility: Convergence Puzzles Income convergence/divergence within India - Consumption convergence/divergence within India - Health Convergence within India with room for improvement against International standard - Total Fertility rate convergence (India and World) - Interpreting Graphs/Data regarding Income/Life Expectancy/ Infant mortality rate/Total fertility rate (For All Indian States) Revision
	October	Semester End Examination

Semester: IV **Class: SYBA**
Subject/Paper Name: Indian Economy (302)

Semester	Month	Topics to be covered
IV	November	Module – I Introduction to Maharashtra’s Economy – Backdrop, Demography, Key Indicators of Development, Macroeconomics development of the Regions, Paradigm Shift.
	December	Module - II Importance of Tribal Areas Present Status, Comparison with States, PCI, Poverty, Overview of Nutrition, Health & Education, Causes of Deprivation, Reforms to be undertaken.
	January	Module – III Water Resources Availability of Water resources, government policy, overview of irrigation development (No division – wise discussion), overview of irrigation in Rest of Maharashtra, General Overview of Rural & Urban areas water supply, Recommendation for water distribution/ Balanced development.
	February	Module – IV Health and connectivity Health : The Kelkar Committee approach to health, Regional disparities, Health Care Systems, Health outcomes, Recommendation and Strategies Connectivity – Introduction, General Overview of Roads, Railways, Ports, Airports and Broadband, Resources required Revision
	March	Semester End Examination

Semester: V **Class: TYBA**
Subject/Paper Name: Economics of Development: Paper VIII

Semester	Month	Topics to be covered
V	June	Module1: Concepts of Economic Growth and Development: Meaning of Growth and Development – Distinction between growth & development– Concept of human development. HDI, GDI, Sustainable development – Green GDP – Three core values of development – Capability Approach.
	July	Module 2: Structural Issues in Development Process: Big push theory – Theory of human capital – Role of Education, Health & nutrition in economic development- Schumpeter’s theory of development, Dual economy models of growth, Solow’s growth model.
	August	Module 3: Inequality, Poverty and Development: Measures of poverty and inequality – Kuznet’s inverted U-hypothesis –



		Policy options for poverty alleviation – Inclusive growth – Self Help Groups and Micro Finance.
	September	Module 4: Technology and Economic Development: Role of Infrastructure in economic development – Role of technology in economic development, Types of technical progress – Schumacher’s Concept of Intermediate/ Appropriate technology, Green technology. Revision
	October	Semester End Examination

Semester: V Class: TYBA
Subject/Paper Name: Industrial and Labour Economics: Paper IX

Semester	Month	Topics to be covered
V	June	Module - I Meaning and scope of Industrial Economics, Industrial Profile: Private Sector – Performance and Problems, Cooperatives – features, types, merits and demerits, Diversification and Industrial Combinations – Motives for Mergers and Acquisitions
	July	Module – II Determinants of Industrial location, Theories of Industrial location – Weber’s and Sargent Florence’s Theories, Dispersion of Industries and problem of Regional Imbalance
	August	Module – III Concept and measurement of Industrial Productivity, Factors affecting Industrial Productivity, Industrial sickness – causes, effects and remedial measures, Rationalization – Concept, Aspects and Impact
	September	Module – IV New Industrial Policy 1991, Disinvestment Policy, Micro, Small and Medium Enterprises Development Act, 2006; National Manufacturing Policy, 2011; Recent trends in India’s Industrial Growth, Role of MNCs in the Indian Economy – Merits and Demerits, Issues in Industrial Proliferation and Environment Preservation, Pollution Control Policies Revision
	October	Semester End Examination

Semester: V Class: TYBA

1. **Subject/Paper Name: Environmental Economics: Paper XI**

Semester	Month	Topics to be covered
V	June	Module 1: Introduction to Environmental Economics: Introduction to environmental development and environmental economics, Rio-Declaration on environmental development, Agenda 21 programme of action for sustainable development, Social and economic dimensions, Conservation and management of resources for development.
	July	2: The design and implementation of Environmental Policy: Overview - Criteria for evaluating environmental policies; Standards, Pigovian taxes and effluent fees, tradable permits, choice between taxes and quotas, implementation of environmental policy.



	August	Module – III Measuring benefits of environmental improvements: Economic value of Environment- Use and Non-use values- Measurement method:-market based and non-market based methods, contingent valuation, travel cost method, hedonic price method, risk assessment and perceptions.
	September	Module 4: Environmental problems: The global environment- Trans-boundary environmental problems, economics of climate change, International environmental Agreements - , sustainable development: Concepts and measures. Revision
	October	Semester End Examination

Semester: VI Class: TYBA
Subject/Paper Name: International Economics: Paper XIV

Semester	Month	Topics to be covered
VI	November	Module 1: Introduction Importance of the study of International Economics - An overview of world trade- Distinction between domestic & international Trade -Concepts of Cost Difference, Adam Smith’s Theory of International Trade, The Ricardian Theory
	December	Module 2: Modern Theories of International Trade Heckshcher- Ohlin Theory of International Trade, Factor Abundance: Two Criteria, Leontief Paradox, Haberlers theory of OpportModuley Cost, Law of reciprocal demand and offer curves, Role of Factor Accumulation, Stolper-Samuelson theorem
	January	Module 3: Importance of Trade and Recent trends: Monopolistic competition and trade - firm heterogeneity, FDI: The concept and role, FDI Inflows- FDI Outflows, and the global supply chain, Business Process Outsourcing
	February	Module 4: Trade Policy and Regionalism Instruments of trade policy; Why countries cooperate? -GATT, GATS, Regional Trade Agreements - controversies in trade policy (labour standards, IPR and environment) ASEAN,SAARC,SAFTA, Protectionism Revision
	March	Semester End Examination

Semester: VI Class: TYBA
Subject/Paper Name: Industrial and Labour Economics: Paper XV

Semester	Month	Topics to be covered
VI	November	Module – I Characteristics of the Indian labour market, Child labour and female labour – problems and measures, Globalization and Indian labour market, Labour market reforms – EXIT policy and need for safety nets, Second National Commission on Labour
	December	Module - II Definition and Functions of Trade Unions, Historical evaluation of trade unions in India and their present status, Problems of trade unions in India, Role of outside leadership
	January	Module – III



		Causes of Industrial disputes and their settlement mechanism, Collective bargaining : Concepts, Features, Importance and Pre – requisite for successful collective bargaining, Collective bargaining in India, Worker’s participation in management – concept, objectives and forms of worker’s participation in India
	February	Module – IV Concept, Theories and Principles of labour welfare, Agencies for labour welfare, Role of the labour welfare officer, Social security – Concept; Social Assistance and Social Insurance Social security measures in India, International Labour Organization and its impact on Indian Labour Legislation Revision
	March	Semester End Examination

Semester: VI Class: TYBA

Subject/Paper Name: Development Theory and Experience: Paper XVII

Semester	Month	Topics to be covered
VI	November	Module I: Demography and Development: Demographic concepts; birth and death rates, age structure, fertility and mortality; demographic transitions during the process of development; gender bias in preferences and outcomes and evidence on unequal treatment within households; connections between income, mortality, fertility choices and human capital accumulation
	December	Module II: Structural Transformation: The Lewis model - Clark-Fisher model of structural change, Urbanization: Trends and Projections with reference to India, Urbanization and Development, Causes of urbanization, Urban informal sector, Policies for the urban informal sector, Migration and development, Economic theory of rural-urban migration: Harris-Todaro migration model
	January	Module III: Land, Labor and Credit Markets: Role of Agriculture in Economic Development, Market Failure and Agriculture, The distribution of land ownership; Land reform and its effects on productivity; contractual relationships between tenants and landlords; Land Acquisition; Nutrition and Labour Productivity; Rural Credit Market; Microfinance; Inter-linkages between Rural Factor Markets
	February	Module IV: The Environment and Development: The core of environmental problems- Rural poverty and environmental destruction- industrialization and environmental pollution - Economic models of environmental issues: privately owned resources, common property resources, public goods: regional environmental degradation and the free rider problem, limitations of public goods framework Revision
	March	Semester End Examination

Semester: I Class: FYBCom

Subject/Paper Name: Business Economics - I



Semester	Month	Topics to be covered
I	July	Module – I Scope and importance of business economics, basic tools in economics, opportunity cost principle, incremental and marginal concepts, basic economic relation and functional relation. Module – II Market demand and market supply curves and equilibrium, nature of demand

		curve in different markets.
	August	Module – II Types and measurement of elasticity of demand, relationship between EOD and revenue concepts, meaning, types and methods of demand forecasting, case studies
	September	Module – III Production function- short run and long run, law of variable proportion, law of returns to scale, Isoquants- types and properties, ridge lines and least cost combination of inputs, cost concepts, case studies
	October	Module – III & IV Cost output relationship in the short run and long run, LAC and learning curve, break-even analysis, case studies Revision Semester End Examination

Semester: II **Class: FYBCom**
Subject/Paper Name: Business Economics - II

Semester	Month	Topics to be covered
II	November	Module – I Types of Market structure, short run and long run equilibrium of a firm and industry under perfect competition and monopoly
	December	Module – I & II sources of monopoly power, monopolistic elements and equilibrium of a firm under monopolistic competition, excess capacity and inefficiency- case studies
	January	Module – III Key attributes of oligopoly market, collusive and non-collusive oligopoly, price rigidity, cartels and price leadership, cost- plus pricing, marginal cost pricing
	February	Module – IV Mark-up pricing, discriminating pricing, transfer pricing, product pricing, case studies, meaning, importance and steps involve in capital budgeting
	March	Payback period, net present value , internal rate of return method, case studies Revision Semester End Examination



Semester: III **Class: SYBCom**
Subject/Paper Name: Business Economics - III

Semester	Month	Topics to be covered
III	June	Module – I Introduction to macro-economics, Circular Flow of Income: Closed (two and three sector models) and Open Economy, Models, Trade Cycles: Features and Phases , Measurement of National Income
	July	Module – II Says law of market, Consumption function, Investment function, Investment Multiplier-Working, assumption, reverse operation and leakages of Multiplier
	August	Module – III Phillips Curve – Causes, Effects and Measures to Control Inflation, IS-LM Model: Framework, Impact of Fiscal and Monetary Policy Changes, Stagflation

	September	Supply of Money: Concept, Constituents and Determinants of Money Supply Velocity of Circulation of Money: Meaning and Factors Determining .Keynes' Theory of Demand for Money , Liquidity Preference Theory of Rate of Interest , Inflation: Concept and Rate of Inflation – Demand Pull and Cost Push Inflation
	October	Revision Semester End Examination

Semester: IV Class: SYBCom
Subject/Paper Name: Business Economics - IV

Semester	Month	Topics to be covered
IV	November	Module – I New Economic Policy 1991: Rationale and Key Policy Changes, Trends in National Income and Per Capita Income, Sector-wise Composition of National Income and Occupational Structure , Inclusive Growth, Progress of Human Development Index in India (Post 1991): Health, Gender Related Development and Economic Indicators
	December	Module - II Government Policy with respect to Education and Health, Recent Trends in Employment, Problems of Unemployment, Trends in Agricultural Production and Productivity, New Agricultural Policy, 2000, and Recent Policy Measures, Public Distribution System and Food Security , WTO and Indian agriculture
	January	Module – III Industrial Development since 1991: Growth and Diversification , MRTP and Competition Act, Comprehensive Policy Package for SSIs, 2000 and Recent Policy Measures, Service Sector: Growth & Performance since 1991, Banking Sector Reforms since 1991: Rationale and Measures, Structure of Banking in India
	February	Module – IV Performance of Commercial Banks, Developmental and Promotional Functions of RBI, RBI's Recent Measures of Money Supply, Inflation: Trends and Causes, Recent Changes in Monetary Policy in India. Revision
	March	Semester End Examination

DEPARTMENT OF SOCIOLOGY
TEACHING PLAN FOR 2010-2020
SEM I AND SEM II

F.Y.B.A



Prof. Mariyah Gour

June	Nil
July	Unit I- Introduction to Sociology a. Developing Sociological Imagination b. Theoretical Perspectives
August	c. Careers in Sociology Unit III- Culture

	a. Components of Culture
September	b. Cultural Universals and Differences, Ethnocentrism and Reality, Sub Cultural and Counterculture c. Are we prisoners of Culture
October	Exams

November	Unit I- Socialization a. Understanding Socialization b. The Self and Socialization
December	c. Anticipatory Socialization, Gender Socialization, Resocialization, Political Socialization
January	Unit III- Leisure Tourism a. Adventure Tourism b. Eco Tourism: Friend or Foe?
February	c. Rural Tourism and Urban Tourism
March	Exams

DEPARTMENT OF SOCIOLOGY

TEACHING PLAN FOR 2019-2020

SEM III AND SEM IV

Month	S.Y.B.A 301
June	Unit I Indian Sociological Perspectives a. Indology and Structure--functionalism (G. S. Ghurye, M. N. Srinivas) b. Dialectical approach to Sociology (A. R. Desai, D.P. Mukerjee)
July	c. Non- Brahmanical Approach (Dr.B.R.Ambedkar, Mahatma Phule) Unit II Contemporary Sociologists a. Sharmila Rege (Gender) b. Leela Dube (Kinship)
August	c. T. K. Oommen (Religion) Unit III Contemporary Challenges in Indian Society a. Strategies of caste mobilisation b. Resurgence of Ethnic identities c. Gender and Marginalization
September	Unit IV Socio- Cultural Landscape of Maharashtra a. Regional diversity and communities in Maharashtra b. Tourism in Maharashtra – Economy and Society c. Food Culture intertwined with different cultural identities
October	Exams

Month	S.Y.B.A 402
November	UNIT I JOURNALISM a. Journalism Studies: An Overview b. Journalists as Gatekeepers- Ethics in Journalism



	c. Women Journalists
December	UNIT II WOMEN ENTREPRENEURSHIP a. Meaning of Entrepreneurship, Role and Attributes of an Entrepreneur b. Women in different fields as entrepreneurs at the grass root level: Business, Food c. Challenges and Opportunities
Jananuary	UNIT III URBAN GOVERNANCE a. Plan and Growth of Smart Cities-Critique -Case Study (Kochi) Kerala, (Jaipur) Rajasthan b. Lack of availability of Open Spaces c. Street Vendors and Hawkers- The Street Vendors Act 2014
February	UNIT IV GERIATRIC CARE a. Phenomenon of Population Ageing b. Old Age Home, Senior Citizens Association, Day Care Center c. Geriatric Care: Government and non-governmental initiatives in India
Mararch	Exams

DEPARTMENT OF SOCIOLOGY

TEACHING PLAN FOR 2019-2020

SEM V AND SEM VI

Month	T.Y.B.A 501
June	Historical Context : The Enlightenment Contribution of August Comte ;Contribution of Herbert Spencer
July	Emile Durkheim-Division of labour, Theory of Suicide, Elementary Forms of Religious Life Max Weber- Methodology:Theory of Social Action , The Protestant Ethics and the Spirit of Capitalism
August	Unit II Structural Functionalism 1. Talcott Parsons- Voluntaristic Theory of Social Action,Theory on social system (AGIL analysis) 2. Merton's functionalism-Definition of function, Functional alternatives Unit III Conflict theories 1. Karl Marx- Dialectic Materialism; Class conflict;Alienation 2. Ralph Dahrendorf- Conflict Theory; Power and Authority
September	Unit IV Contemporary Theories 1. Harold Garfinkel :Ethnomethodology 2. Erving Goffman: Dramaturgy 3. Antonio Gramsci: Hegemony and the Ruling Ideas



October	Revision
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Month	T.Y.B.A 601
November	Exam
December	Unit I Introduction to Anthropology 1. Nature and scope of Anthropology 2. Sub-disciplines within anthropology: Physical, Cultural, Archaeology, Linguistic 3. Relation with sociology as a discipline 4. Field methods in Anthropology
Jananuary	Unit II Early Thought 12 lectures 1. Evolution – Edward Tylor, L.H. Morgan 2. Historical Particularism - Franz Boas 3. Functionalism- Malinowski’s Theory of Need 4. Colonial anthropology- Verrier Elvin’s Methods of a Freelance Anthropologist Unit III Later Development 1. Culture and Personality- Margaret Mead’s Coming of Age in Samoa 2. Patterns of Culture – Ruth Benedict 3. Marxian Feminism- Eleanor Burke Leacocke 4. Interpretative Anthropology – Clifford Geertz’ Thick Description “Deep Play: Notes on the Balinese Cockfight”
February	Unit IV Contemporary Indian Thinkers 1. Virginous Xaxa- “Tribes and Indian National Identity: Location of Exclusion and Marginality” 2. Nandini Sunder- “Educating for Inequality: The Experiences of India’s “Indigenous” Citizens” 3. Patricia Uberio- “The Diaspora Comes Home: Disciplining Desire in DDLG”
March	Revision

Month	T.Y.B.A 503
June	Unit 1 Basic Concept Sex, gender and the heteronormative regime Gender beyond the binary Many women, many feminisms and intersectionality
July	Unit 11 Feminist perspectives: Selected Reading Classical Liberal – Mary Wollstonecraft Radical - Kate Millet Socialist - Juliet Mitchell Contemporary Black feminism – bell hooks Postmodern feminism: Julia Kristeva



August	Unit III New Challenges Dalit feminism: Kumud Pawade Queer perspectives: Judith Butler Masculinity Studies
September	Unit III History of Women's Struggles Colonial - nationalist era : Key debates Child marriage, widowhood, sati, education, political rights Contemporary era Emergence of the autonomous women's movement: Campaigns against Dowry, Rape and Women's Right to Health Current debates: Sexual violence and Rights in Marriage and Divorce
October	Revision

Month	T.Y.B.A 603
November	Exam
December	Unit I Sites of Violence Against Women Family as a site of violence: Invisible forms of everyday violence Women in situations of conflict: communal conflict, caste violence and armed conflict. Sexual harassment: Street and work place (Protection of Women from Sexual Harassment (Prevention and Redressal) Act, 2013) Violence in virtual spaces: Twitter and facebook misogyny and trolling
January	Unit II Marginalised Genders Gender galaxy Queer activism Section 377 Unit III Protests and Resistance Reproductive Health: Debates on surrogacy Livelihood struggles: Land and forests Legislation: A feminist critique (rape and domestic violence)
February	Unit IV Feminist campaigns in digital spaces



	Why loiter Right to bleed Pinjra Tod #Me too
March	Exams

Month	T.Y.B.A 505	T.Y.B.A 506
June	b. environmental sociology: Catton and Dunlap c. Natural capitalism, Eco-socialism, Eco spiritualism	Unit I Quantitative Research Quantitative Research – Nature, characteristics, significance, critique Types of data – Primary and Secondary, Small and Big Theoretical considerations - Positivism
July	Unit II Environment and Development a. Ulrich Beck's critique of development A case study of Coco-cola v/s CSE (Sunita Narayan) b. Sustainable development, global warming, Loss of Bio-diversity c. The Stockholm conference and The Earth summit	Unit II Process of Quantitative Research Writing research proposal Main steps in quantitative research Writing research report
August	Unit III Environmental Politics a. Environmentalism- early development; Gandhiji's view on environmentalism b. International environmental politics- Green parties, environmental groups and grassroots environmentalism c. Privatization of Water: Issues and Challenges	Unit III Aspects of Quantitative Research Survey Method, Technique of Questionnaire Sampling
September	Unit IV New Paradigms in Environmental Sociology a. The New Climate Change Discourse: A Challenge for Environment Paradigm b. Human Exemptionalism Paradigm (HEP) c. New Ecological Paradigm (NEP)	Unit IV Quantitative Data Analysis (Univariate Analysis) Measures of Central Tendency , Measures of Dispersion Correlation Introduction to SPSS
October	Revision	Revision



Month	T.Y.B.A 605	T.Y.B.A 606
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November	Exam	Exam
December	Unit I Environmental Problems: Rural Context a. The environmental impact of the green revolution b. Western Ghats Ecology Expert Panel Report (Eco-Sensitive Zones) c. Water scarcity and water management; rainwater harvesting – case study of Johads in Rajasthan	Unit I Qualitative Research a. Qualitative Research – Nature, characteristics, significance, critique b. Preoccupations of qualitative researchers C. Theoretical considerations – Interpretivism
January	Unit II Environmental Problems: Urban Context a. Waste management; solid waste management, bio-medical waste; industrial waste; nuclear waste and e-waste b. Effects of development activities with reference to loss of mangroves, building of metro, Skywalks etc. c. Depletion of soil, air and water as a resource	Unit II Process of Qualitative Research (9 Lectures) a. Distinction between qualitative and quantitative research b. Main steps in qualitative research c. Reliability and Validity in Qualitative research
February	Unit III Women, Indigenous Groups and Environment a .Eco-feminism and Feminist environmentalism- Bina Agarwal b. New environmental movements: Save Ganga Movement, Silent Valley Movement, Warli movement c. Niyamgiri and the Forest Rights Act	Unit III Qualitative approaches to enquiry a. Ethnography b. Case study c. Feminist approach
Marach	Unit IV Protests against Infrastructural Development a. Save Aarey Campaign b .Protest against new Development Plan for Mumbai and privatization of open spaces c. New airport at Navi Mumbai	Unit IV Methods and Techniques of data collection a. Interview: Unstructured, Semi structured, In- depth b. Focus Group discussion c. Conversation and Discourse analysis

TEACHING PLAN FOR 2019-2020

Department of Sociology

Asst. Prof. Shaikh Shahida

SEM I and SEM II

Month	F.Y.B.A 101-Foundations Of Sociology
June	–
July	Unit II- Social Institutions a. Politics and Government b. Family: Changing Trends



August	c. Religion Unit IV- New Social Media a. Social Dimensions- Social Networking
September	b. Economic Dimension: Marketing and Advertising Network c. Political Dimension: Social Networking and Elections
October	Exams

Month	F.Y.B.A 102-Fundamentals Of Sociology
November	Unit II- Crime a. Perspectives on Crime: Theories (Strain Theory, Labeling Theory & Conflict Theory)
December	b. Cyber Crime: Types, Control, Regulation and Laws c. Trafficking: Women and Children
January	Unit IV- Environment a. Importance of Ecological consciousness
February	b. Urban Ecology c. Eco- Feminism
March	Exams

SEM I and SEM II Foundation Course

Month	F.Y.B.A Foundation Course-I
June	–
July	Unit I- An Overview Of Indian Society
August	Unit II-Concept Of Disparity ;due to stratification and inequality Unit III-Concept Of Disparity ; due to caste system and inter-group conflict
September	Unit IV- Indian Constitution Unit V- Significant aspects of Political Processes



October	Project submission and Exam
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Month	F.Y.B.A
November	Unit I- Globalization And Indian Society Unit II- Human Rights
December	Unit III- Ecology Unit IV-Understanding Stress and Conflict
January	Unit V- Managing Stress and Conflict in Contemporary Society
February	Project Submission
March	Exam

SEM III AND SEM IV

Month	S.Y.B.A
	302- Contemporary Issues In Indian Society
June	Unit I- Demography a. Nature, Scope and Significance b. Fertility, Mortality, Nuptiality (Concept and Factors) c. Declining sex Ratio (Causes and Measures)
July	Unit II- Migration a. Definition Meaning and Characteristics b. The Right to the City- Henry Lefebvre c. Patterns of Migration: Case Study of Mumbai
August	Unit III- Health a. Right to Health Care (Women and Children) b. Disability Rights Act 2016 (Differently abled) c. Surrogacy and Politics of Reproduction
September	Unit IV-Crime And Justice a. Overview of the Criminal Justice System in India: Police, Courts and Law b. Rights and Duties of the People c. Need for reforms in the Criminal Justice System
October	Exams

Month	S.Y.B.A
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	401-Sociology Of Development
November	Unit I-Understanding Development a. Meaning of Development and theories of Modernization b. Dependency Theory c. Neo- Liberal Economic approach
December	Unit II-Measuring Development a. Indicators of Development- Human Development Index (HDI) b. Survey and Case Study as Methods of Data Collection c. Questionnaire as technique of data collection
January	Unit III-Globalization and the Crisis of Development a. Land Displacement b. Forest Rights Act 2006 and its impact on the tribal community c. Resistance Movements
February	Unit IV-Alternative approaches to Development a. Sustainable Development- Eco-Friendly practices, Organic Farming, Ankoli in Solappur b. People- Centric Development- Menda Lekha, Gadchiroli c. ‘Adarsh Gaon’ - Hiware Bazaar, Ahmednagar
March	Exams

SEM III AND SEM IV Foundation Course

Month	S.Y.B.A Foundation Course II
June	Unit II- Dealing With Environmental Concerns
July	A- Concept Of Disaster and Effects Of Disaster
August	B- Some Locally relevant case studies. C- Dealing with Disaster
September	D- Human Rights Issues In Addressing Disaster
October	Exam

Month	S.Y.B.A
November	Unit II- Approaches To Understanding



	Ecology
December	B- Environmental Principles –I
January	C- Environmental Principles –II
February	Revision
March	Exam

SEM V AND SEM VI

Month	T.Y.B.A 502- Sociology Of Work
June	Unit I- Basic Concepts <ul style="list-style-type: none"> a. Work, Work behavior, Work environment, Work ethics and Work culture b. Industry Evolution, characteristics, Impact c. Pre-conditions and consequences of industrialization
July	Unit II- Changing Division of Labour <ul style="list-style-type: none"> a. Fordism and post Fordism b. Post Industrialism c. Global division of labour and global inequalities
August	Unit III- Trends in Industry <ul style="list-style-type: none"> a. Work and automation b. Emergence of Service Industry c. Industrial relations and trade unions
September	Unit IV- Knowledge Industry <ul style="list-style-type: none"> a. Liberalization, Privatization and Globalization – Meaning, features, impact b. BPO - Meaning, issues c. KPO- meaning and issues
October	Exams



Month	T.Y.B.A
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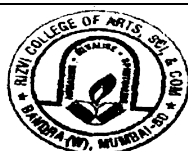
	602- Sociology Of Informal Sector
November	<p align="center">Unit I- Organization of Work</p> <p>a. Formal and Informal sector: Distinction</p> <p>b. The nature of informal sector: characteristics, problems</p> <p>c. Theoretical Perspectives: Dualist, Structuralism and Legalist</p>
December	<p align="center">Unit II- Informal Labour Market</p> <p>a. Migration as livelihood</p> <p>b. Workers in Informal sector</p> <p>c. Conditions of work and wages</p>
January	<p align="center">Unit III- Safeguard for informal sector workers</p> <p>a. Towards Decent work agenda</p> <p>b. Social security and role of the state</p> <p>c. Organizing the unorganized: self-help groups and microfinance.</p>
February	<p align="center">Unit IV- Globalization and its Implications</p> <p>a. Informalisation of work.</p> <p>b. Downsizing, outsourcing, Network society and role of ICT (Information communication technology)</p> <p>c. Labour Reforms and its impact; Problem of unionization and Labour boards.</p>
March	Exams

Month	T.Y.B.A
	504- Sociology Of Human Resource Development
June	<p align="center">Unit I- Overview of HRD</p> <p>a. Nature, Features and goals</p> <p>b. Need, Scope , Functions</p> <p>c. Evolution of HR function and role of HR manager</p>
July	<p align="center">Unit II- Recruitment, Selection and Performance Appraisal</p> <p>a. Recruitment: Relevance, Factors, Process and Programmes</p>



	<p>b. Selection: Selection Procedure, Barriers to effective selection</p> <p>c. Performance Appraisal: Purpose, Methods(Trait Methods, Forced-choice Methods, Behavioural Methods, Results Methods), Process & Design</p>
August	<p>Unit III- Emerging Issues and Challenges in HRD</p> <p>a. Ergonomics and human factors at work</p> <p>b. Corporate Social Responsibility</p> <p>c. Total Quality Management</p>
September	<p>Unit IV– Management Services and Operations</p> <p>a. Talent Management: Need, Importance and Benefits</p> <p>b. Project Human Resource Management: Overview, Significance, Benefits</p> <p>c. Image Building: Features, Need and Benefits</p>
October	Exams

Month	T.Y.B.A
	604- Sociology Of Organizations
November	<p>Unit I- Organizational Structure</p> <p>a. Organization : Characteristics and principles of organization</p> <p>b. Formal organizations: Relevance, types of structures, tall and flat organization and functional organization</p> <p>c. Informal organization : Significance and impact on formal organizations</p>
December	<p>Unit II- Organizational Planning, Training and Development</p> <p>a. Organizational Planning: Importance, Internal & External factors, Downsizing in context to labour market</p> <p>b. Organizational Development: Characteristics, Objectives & Process, Intervention Techniques & Benefits</p> <p>c. Training and Development: Types (Orientation Training, Team Training & Cross Training, Diversity Training) Training methods (Non managerial Employees & Management Development)</p>
January	<p>Unit III- Organizational Culture and Change</p> <p>a. Organizational Culture: Features , Cultural Dimensions, Sustaining the Culture</p> <p>b. Creativity in Organizations: Characteristics, Creativity Inducing factors</p>



	c. Innovation process and change
February	<p align="center">Unit IV- Organizational Socialization, Leadership and Conflict resolution</p> <p>a. Organizational socialization: Individual and organizational perspectives on socialization; Stages of organizational socialization, Induction/Indoctrination procedure</p> <p>b. Leadership: meaning, effectiveness, qualities, skills and functions</p> <p>c. Conflict resolution: Types of conflict situations; Causes and effects; Its Effective management.</p>
March	Exams

Month	T.Y.B.A
	505-Environment and Society: Theory and Awareness
June	<p align="center">Unit II- Environment and Development</p> <p>a. Ulrich Beck's critique of development A case study of Coca-cola v/s CSE (Sunita Narayan)</p> <p>b. Sustainable development, global warming, Loss of Bio-diversity</p> <p>c. The Stockholm conference and The Earth summit</p>
July	<p align="center">Unit IV- New Paradigms in Environmental Sociology</p> <p>a. The New Climate Change Discourse: A Challenge for Environment Paradigm</p> <p>b. Human Exemptionalism Paradigm (HEP)</p> <p>c. New Ecological Paradigm (NEP)</p>
October	Exams

Month	T.Y.B.A
	605- Environmental Concerns in India
November	<p align="center">Unit II- Environmental Problems: Urban Context</p> <p>a. Waste management; solid waste management, bio-medical waste; industrial waste; nuclear waste and e-waste</p> <p>b. Effects of development activities with reference to loss of mangroves, building of metro, Skywalks etc.</p> <p>c. Depletion of soil, air and water as a resource</p>



December	Unit III- Women, Indigenous Groups and Environment a .Eco-feminism and Feminist environmentalism- Bina Agarwal b. New environmental movements: Save Ganga Movement, Silent Valley Movement, Warli movement c. Niyamgiri and the Forest Rights Act
March	Exams

Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: T.Y.Bcom

Div. A B & C

Subject/Paper Name: **Export Marketing**

Month	Topics to be covered
June	Introduction to export marketing Concept, Features, Importance to Business firms and Nation ,Factores,Problems, Service Export, Merchandise export
July	Global Framework for Export Marketing Trade Barriers, Economic Grouping, Marketing research in overseas market
August	India's Foreign Trade Policy FTP,Highlight,and implication Role of DGFT Benefits to Status holder
September	Export Incentives, and Assistance Financial Incentives Institutional Assistance to Indian Exporter Schemes EPCG, DBK,IGST Refund for exporter
October	

Semester: VI

Class: T.Y.Bcom. Div. A ,B &C

Subject/Paper Name: **Export Marketing**

Month	Topics to be covered
November	Product Planning and Pricing Decision for Export Marketing Planning for Export Marketing Need for labelling Export Pricing Terms
December	Export Distribution and Promotion Factores,Direct exporting and Indirect Exporting Components of Logistic Sales promotion Techniques
January	Export Finance Methodes of Payment, Pre shipment and post shipment finance Role of Commercial Banks
February	Export Procedures and Documents Regisration whith different Authority Shipping and Custom formalities Importance of Commercial invoice
March	
April	



Teaching Plan
(Academic Year 2019 - 20)

Semester: I

Class: FYBAF

Subject/Paper Name: Financial Management-I

Month	Topics to be covered
June	N/A
July	N/A
August	Introduction to FM, Leverage
September	Cost of Capital, Types of Financing
October	Concepts in Valuation

Teaching Plan
(Academic Year 2019 - 20)

Semester: III

Class: SYBAF

Subject/Paper Name: Direct Tax

Month	Topics to be covered
June	N/A
July	Definitions u/s – 2 , Basis of Charge , Income From House Property
August	Profits & Gains From Business & Profession , Capital Gains
September	Income from Other Sources, Salary Income, Exclusions from Total Income
October	Exclusions from Total Income, Deductions under Chapter VI – A, Computation of Total Income

Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: TYBAF

Subject/Paper Name: Financial Management-III

Month	Topics to be covered
June	N/A
July	Strategic Financial Management ,Capital Structure Theories and Dividend Decisions,
August	Mutual Fund and Bond Valuation,
September	Capital Budgeting – Project Planning & Risk Analysis,
October	Credit Management

Teaching Plan
(Academic Year 2019 - 20)

Semester: III

Class: SYBMS A/B/C

Subject/Paper Name: Accounting for Managerial Decision

Month	Topics to be covered
June	N/A
July	Working capital
August	Analysis and Interpretation of Financial statements
September	Ratio analysis and Interpretation
October	Cash flow statement



Teaching Plan

(Academic Year 2019 - 20)

Semester: IV

Class: S.Y.B.Sc. (Information Technology)

Subject/Paper Name: Computer Oriented Statistical Techniques.

Month	Topics to be covered	No. of Lectures
November	The Mean, Mode, Median and Other Measures of Central tendency: Index, Or subscript, Notation, Summation Notation, Averages, or Measures of Central tendency, The Arithmetic mean, The weighted Arithmetic mean Properties of Arithmetic mean, The Arithmetic mean computed from Grouped data, The Median, The mode, The Empirical relationship between mean, mode and median, The Geometric mean G, The Harmonic mean H, The Relationship between Arithmetic, Geometric, and Harmonic Means, The Root Mean Square, Quartiles, Deciles, and Percentiles, Software and Measures of Central Tendency.	5
December	The Standard deviation and Other Measures of dispersion: Dispersion, or Variation, The range, the Mean Deviation, The Semi-Interquartile Range, The 10-90 percentile Range, The Standard Deviation, The Variance, Short Methods for Computing the Standard Deviation, Properties of the Standard Deviation, Charlie's Check, Shepard's Correction for Variance Empirical Relation between measures of Dispersion; Absolute and Relative Dispersion; Coefficient of Variation, Standard Variable; Standard Scores Software and Measures of dispersion. Introduction to R: Basic syntax, data types, variables, operators, control statements, R-functions, R-Vectors, R-lists, R Arrays.	8
January	Moments, Skewness, and Kurtosis: Moments, moments for Grouped data, Relation Between Moments, Computation of Moments for Grouped Data. Charlie's check and Sheppard's correction, moments in Dimensionless Form, Skewness and Kurtosis, Population Moments, Software Computation of skewness, and Kurtosis. Elementary Probability Theory : Definition of Probability, Conditional Probability, Independent and Dependent Events, Mutually Exclusive events, Probability Distribution, Mathematical Expectation, Relation Between Population and sample Mean and Variance, Combinatorial Analysis, Combinations, Sterling's Approximations to n!, Relation of Probability theory to Point set theory, Euler or Venn Diagrams and Probability.	14
February	Elementary Sampling Theory: Sample Theory, Random Sample and Random Numbers, Sampling With and Without Replacement, Sampling Distributions, Sampling Distribution Of means, Sampling Distribution of Proportions, Sampling Distribution of Diff and Sums, Standard Errors, Software Demonstration of Elementary Sampling Theory. Statistical Estimation Theory: Estimation of Parameters, Unbiased Estimates, Efficient Estimates, Point Estimates and interval Estimates; Their Reliability, Confidence-Interval Estimates of population Parameters, Probable Error, Statistical Decision Theory: Statistical Decisions, Statistical Hypotheses, Tests of Hypothesis and Significance , Or Decision rules Type I and Type II Errors, Level of significance, Tests Involving Normal Distributions, Two-Tailed and One-tailed Tests, Special Tests, Operating characteristic Curves; The Power of a Test, P-Values for Hypothesis Tests, Control Charts, Tests Involving Binomial Distributions. Statistics in R: Mean, Median, Mode, Normal Distribution, Binomial Distribution, Frequency Distribution in R	14
March	Small Sampling Theory: Small Samples, Student's t Distribution, Confidence Intervals, Test of Hypothesis and Significance, The Chi-square Distribution, Confidence Interval Sigma, Degrees of Freedom, The F Distribution. The Chi-Square Test: Observed and Theoretical Frequencies, Definition of Chi-Square, Significance Tests, The Chi-Square Test for Goodness of Fit, Contingency Tables, Yate's Correction for Continuity, Simple Formulas for Computing Chi-square, Coefficient Contingency, correlation of Attributes, Additive Property of Chi-square. Curve Fitting and the Method of least Squares: Relationship Between Variables,	14



	Curve Fitting, Equations of Approximating Curve, Freehand Method of Curve Fitting. The Straight Line, The method of Least Squares, The Least Square Line, Nonlinear Relationships, The Least Square Parabola, Regression, Application to Time Series, Problems Involving More Than Two Variables.	
April	Correlation Theory: Correlation and Regression, Linear Correlation, Measures of correlation, The Least Square Regression lines Standard Error of Estimate, Explained and Unexplained Variation, Coefficient of Correlation, Remarks Concerning the Correlation Coefficient of correlation, Product Moment Formula for the Linear Correlation Coefficient, Short Computational Formulas, Regression Lines and The linear Correlation Of Attributes, Sampling Theory of Correlation, Sampling Theory of Regression.	5

Teaching Plan

(Academic Year 2019 - 20)

Semester: IV

Class: S.Y.B.Sc. (Computer Science)

Subject/Paper Name: Linear Algebra Using Python

Month	Topics to be covered	No. of Lectures
November	Introduction to complex numbers, numbers in python, Abstracting over fields, Playing with GF(2), Vector Space:	4
December	Vectors are functions, Vector Addition, scalar multiplication, Combining vector addition and scalar multiplication, Dictionary-based representations of vectors, Dot-product, Solving a triangular system of linear equations. Linear combination, Span, The geometry of sets of vectors,	7
January	Vectors, Vector spaces, Linear system, homogeneous and otherwise. Matrix: Matrices as vectors, Transpose, matrix-vector and vector-matrix Multiplication in terms of linear combinations, Matrix-vector multiplication in terms of dot-products, Null space, Computing sparse Matrix-vector product, Linear functions, Matrix-matrix multiplication, Inner product and outer product, From function inverse to matrix inverse.	10
February	Basis: Co-ordinate system, Two greedy algorithms for finding a set of generators, Minimum spanning Forest and GF(2), Linear dependence, Basis, Unique representation, Change of basis, first look, Computational Problems involving finding a basis Dimension: Dimension and rank, Direct sum, Dimension and linear functions, The annihilator.	10
March	Gaussian elimination: Echelon form, Gaussian elimination over GF(2), Solving a matrix-vector equation using Gaussian elimination, Finding a Basis for the null space, Factoring integers Inner Product: The inner product for vectors over the reals, Orthogonality. Orthogonalization: Projection orthogonal to multiple vectors, Projecting Orthogonal to mutually orthogonal vector, Building an orthogonal set of generators, Orthogonal complement. Eigenvector: Modeling discrete dynamic processes, Diagonalization of the Fibonacci matrix, Eigenvalues and Eigenvectors	10
April	Coordinate representation in terms of eigenvectors, The Internet worm, Existence of eigenvalues, Markov chains, Modeling a web surfer. PageRank.	4

Teaching Plan

(Academic Year 2019 - 20)

Semester: II

Class: F.Y.B.Sc. (Information Technology)

Subject/Paper Name: Numerical and Statistical Methods

Month	Topics to be covered	No. of Lectures
November	Mathematical Modeling and Engineering Problem Solving: A Simple Mathematical Model, Conservation Laws and Engineering Problems.	5
December	Approximation and Round off Errors: Significant Figures, Accuracy and Precision, Error Definitions, Round-Off Errors	8



	Truncation Error and the Taylor Series: The Taylor series Error Propagation, Total Numerical Errors, Formulation Errors and Data Uncertainty.	
January	Solution of algebraic and Transcendental Equations: The Bisection Method, The Newton-Raphson Method, The Regula-falsi method, The secant Method. Interpolation: Forward Difference, Backward Difference, Newton's Forward Difference Interpolation, Newton's Backward difference Interpolation, Lagrange's Interpolation.	14
February	Solution of Simultaneous algebraic equations (linear) using iterative methods: Gauss-Jordan Method, Gauss-Seidel Method Numerical Differentiation and Integration: Numerical Differentiation and Integration using Trapezoidal rule, Simpson's 1/3 rule, Simpson's 3/8 rule. Numerical Differentiation of 1 st and 2 nd order Differential Equations: Taylor series, Euler's Method, Modified Euler's Method, Runge-Kutta Method for Numerical Differentiation.	14
March	Least Square Regression: Linear Regression, Polynomial Regression, Multiple Regression, General Linear Least Regression, Nonlinear Regression. Linear Programming: Linear Optimization Problem, Formulation and Graphical Solution Basic Solution and Feasible Solution. Random Variable: Discrete and Continuous Variable, Probability Density Function, Probability Distribution Of a Random Variable, Expected Value and Variance.	14
April	Distributions: Discrete Distributions, Uniform, Binomial, Poisson's, Bernoulli, Continuous Distributions: Uniform Distribution, Exponential Distributions, (Derivation of Mean and Variance only and State Other Properties and Discuss Their Applications) Normal Distribution all the Properties and Applications.	5

Teaching Plan

(Academic Year 2019 - 20)

Semester: II

Class: F.Y.B.Sc. (Computer Science)

Subject/Paper Name: Statistical Methods and Testing Hypothesis.

Month	Topics to be covered	No. of Lectures
November	Random variable; discrete, continuous, expectation and variance of a random variable.	4
December	pmf, pdf, cdf, reliability. Introduction and properties without proof for following distributions; binomial, normal, chi-square, t, F, Examples.	7
January	One sided, two sided hypothesis, critical region, p-value, tests based on t, Normal and F,	10
February	Confidence intervals. Analysis of variance: one-way, two-way analysis of variance.	10
March	Need of non-parametric test, sign test, Wilcoxon's signed rank test, run Test, Kruskal-Walis test.	10
April	Post- hoc analysis of one-way analysis of variance: Duncan's test Chi-square test of Association.	4



Teaching Plan

(Academic Year 2019 - 20)

Semester: 1

Class: FYBMS

Subject/Paper Name: Foundation of Human Skills

Month	Topics to be covered
June	-----
July	Unit 1- Understanding of Human Behaviour
August	Unit 2- Introduction to Group Behaviour
September	Unit 3- Organisational Culture And Motivation
October	Unit 4- Organisational Change, Creativity and Development and Work Stress

Teaching Plan
(Academic Year 2019 - 20)

Semester: 3

Class: SYBBI

Subject/Paper Name: Organisational Behaviour

Month	Topics to be covered
June	----
July	Module 1- The Individual Behaviour
August	Module 2- The Group Dynamics
September	Module 3- The Organisational Dynamics
October	Module 4- Organisational Behaviour in Banking and Insurance Sector

Teaching Plan
(Academic Year 2019 - 20)

Semester: 3

Class: SYBMS

Subject/Paper Name: Organisational Behaviour And Human Resource Management

Month	Topics to be covered
June	-----
July	Unit 1-Organisational Behaviour
August	Unit 2 – Communication, Conflict Management, Time Management
September	Unit 3- HRM,HRP and HRD
October	Unit 4- Performance Management And Career Planning

Teaching Plan
(Academic Year 2019 - 20)

Semester: 5

Class: TYBMS

Subject/Paper Name: Performance Management and Career Planning

Month	Topics to be covered
June	----
July	Unit 1 - Performance management – An Overview
August	Unit 4 - Career Planning And Development
September	Unit 2 - Performance Management Process
October	Unit 3 – Ethics under Performance and Key Issues in Performance Management

Teaching Plan
(Academic Year 2019 - 20)

Semester: I

Class: FYBCom A,D

Subject/Paper Name: Accountancy and Financial Management -I

Month	Topics to be covered
June	AS 1
July	AS2, AS3 ,Inventory Valuation
August	Capital and Revenue
September	Final Accounts
October	Final Accounts

Semester: II

Class: FYBCom B,C & E

Subject/Paper Name: Accountancy and Financial Management



Month	Topics to be covered
November	SEMISTER I EXAM
December	Fire Insurance
January	Fire Insurance, Accounting from Incomplete Records
February	Accounting from Incomplete Records
March	SEMISTER II EXAM
April	

Teaching Plan
(Academic Year 2019 - 20)

Semester: III

Class: SYBCom A,B,D

Subject/Paper Name: Accountancy and Financial Management

Month	Topics to be covered
June	Final Account of Partnership Firm
July	Final Account of Partnership Firm
August	Piecemeal Distribution
September	Amalgamation of Firms
October	SEMISTER III EXAM

Semester: IV

Class: SYBCom A,B,D

Subject/Paper Name: Accountancy and Financial Management

Month	Topics to be covered
November	Redemption of Preference Shares
December	Redemption of Preference Shares
January	PPI
February	PPI
March	SEMISTER IV EXAM
April	

Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: TYBCom A, B & C

Subject/Paper Name: Financial

Month	Topics to be covered
June	Internal Reconstruction
July	Internal Reconstruction
August	Investment accounting
September	Investment accounting
October	SEMISTER V EXAM

Semester: VI

Class: TYBCom A, B & C

Subject/Paper Name: Cost Accountancy

Month	Topics to be covered
November	Amalgamation of Companies
December	Amalgamation of Companies
January	Accounting For Limited Liability Partnership
February	Accounting For Limited Liability Partnership
March	SEMISTER VI EXAM
April	



Teaching Plan
(Academic Year 2019 - 20)

Semester: V
Subject/Paper Name: DIRECT TAX

Class: TYBCom A, B & C

Month	Topics to be covered
June	BASIC CONCEPTS
July	RESIDENTIAL STATUS AND SCOPE OF INCOME
August	SALARIES, INCOME FROM OTHER SOURCES
September	DEDUCTIONS FROM TOTAL INCOME, COMPUTATION
October	SEMISTER V EXAM

Semester: VI
Subject/Paper Name: INDIRECT TAXES

Class: TYBCom A, B & C

Month	Topics to be covered
November	GST-INTRODUCTION
December	LEVY AND COLLECTION
January	TIME, PLACE AND VALUE OF SUPPLY
February	COMPUTION
March	SEMISTER VI EXAM
April	

Teaching Plan
(Academic Year 2019 - 20)

Semester: 1
Class: FYBSc-IT

Subject/Paper Name: (USIT 101) IMPERATIVE PROGRAMMING.

Month	Topics to be covered
June	
July	Introduction, fundamentals , operators and expressions. Data input and output , conditional statements and Loops, Functions, Program structure.
August	Storage classes, automatic variables, external variables, static variables, multifile programs, more library functions.
September	Preprocessors , Arrays , Pointers , Structure and Unions.
October	Pointer and Arrays , Structure and Arrays. Functions and Arrays.

Teaching Plan
(Academic Year 2019 - 20)

Semester: III
Class: SYBSc-CS

Subject/Paper Name: (USCS 303) OPERATING SYSTEM

Month	Topics to be covered
June	Introduction and Operating-Systems Structure, Processes.
July	Threads, Process Synchronization, CPU Scheduling, Deadlocks, Main Memory, Virtual Memory, Mass storage Structure.
August	File Concept, Access Methods, Directory and Disk Structure, File-System Mounting, File Sharing.



September	File System Interface, File system implementation.
October	Problems on disk scheduling.

Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: TYBSc-IT

Subject/Paper Name: USIT 505 Linux System Administration

Month	Topics to be covered
June	Introduction to Red Hat, Command Line, System Administrative Task.
July	Managing Software, configuring and managing software. Connection to network, Working with Users, Groups, and Permissions, Securing Server with iptables.
August	Setting Up Cryptographic Services, Configuring Server for File Sharing. Configuring DNS and DHCP, Setting Up a Mail Server, Configuring Apache on Red Hat Enterprise Linux.
September	Introducing Bash Shell Scripting, High-Availability Clustering, Setting Up an Installation Server.
October	Shell scripting programs solutions.

Teaching Plan
(Academic Year 2019 - 20)

Semester: IV

Class: FYCS

Subject/Paper Name: Software Engineering

Month	Topics to be covered
November	History of Linux, Philosophy, Community, Terminology, Distributions, Linux kernel vs distribution. Why learn Linux? Importance of Linux in software ecosystem: web servers, supercomputers, mobile, servers. Installation methods, Hands on Installation using CD/DVD or USB drive.
December	Session Management, Basic Desktop Operations, Network Management, Installing and Updating Software, Text editors: gedit, vi, vim, emacs, Graphics editors, Multimedia applications
January	Command line mode options, Shells, Basic Commands, General Purpose Utilities, Installing Software, User management, Environment variables, Command aliases. Linux Documentation man pages, GNU info, help command, More documentation sources Filesystem, Filesystem architecture, File types, File attributes, Working with files, Backup, compression.
February	Understanding Linux Security, Uses of root, sudo command, working with passwords, Bypassing user authentication, Understanding ssh. Basic introduction to Networking, Network protocols: http, ftp etc., IP address, DNS, Browsers, Transferring files. ssh, telnet, ping, traceroute, route, hostname, networking GUI.
March	Features and capabilities, Syntax, Constructs, Modifying files, Sed, awk command, File manipulation utilities and Revision.

Teaching Plan
(Academic Year 2019 - 20)

Semester: IV

Class: SYCS

Subject/Paper Name: Software Engineering



Month	Topics to be covered
November	Introduction of SE, The Nature of Software, Software Engineering, The Software Process, Generic Process Model, The Waterfall Model, Incremental Process Models.

December	Evolutionary Process Models, Concurrent Models, Component-Based Development, The Unified Process Phases, Agile Development- Agility, Agile Process, Extreme Programming , Requirement Analysis and System Modeling, System Design , Software Measurement and Metrics , Software Project Management: Estimation ,Project Scheduling .
January	Risk Management , Software Quality Assurance , Software Testing Testing Principles, Testing Objectives, Test Oracles.
February	White-Box Testing/Structural Testing, Functional/Black-Box Testing ,Test Plan, Test-Case Design ,Elements of SQA, SQA Tasks, Goals, and Metrics, Formal Approaches to SQA, Six Sigma.
March	Cyclomatic Complexity, Software Measurement - Size-Oriented, Function-Oriented Metrics, Metrics for Software Quality.

**Teaching Plan
(Academic Year 2019 - 20)**

Semester: IV

Class: SYIT

Subject/Paper Name: Software Engineering

Month	Topics to be covered
November	Introduction: What is software engineering? Software Development Life Cycle, Requirements Analysis, Software Design, Coding, Testing, Maintenance etc. Software Requirements: Functional and Non-functional requirements, User Requirements, System Requirements, Interface Specification, Documentation of the software requirements. Software Processes: Process and Project, Component Software .
December	Agile software development,Socio-technical system Critical system ,Requirements Engineering Processes System Models.
January	Architectural Design, User Interface Design, Project Management .Quality Management. Verification and Validation, Software Testing, Software Measurement , Software Cost Estimation.
February	Process Improvement , Service Oriented Software Engineering ,Software reuse Distributed software engineering: Distributed systems issues.
March	Client–server computing, Architectural patterns for distributed systems, Software as a service and Revision.

**Teaching Plan
(Academic Year 2019 - 20)**

Semester: VI

Class: TYCS

Subject/Paper Name: Wireless Sensor Network and Mobile Computing.



Month	Topics to be covered
November	Introduction: Introduction to Sensor Networks, unique constraints and challenges. Advantage of Sensor Networks. Sensor Node Hardware and Network Architecture: Single-node architecture, Hardware components & design constraints, Operating systems and execution environments.
December	Medium Access Control Protocols: Fundamentals of MAC Protocols, MAC Protocols for WSNs, Sensor-MAC Case Study. Routing Protocols : Data Dissemination and Gathering, Routing Challenges and Design Issues in Wireless Sensor Networks, Routing Strategies in Wireless Sensor Networks. Transport Control Protocols : Traditional Transport Control Protocols, Transport Protocol Design Issues, Examples of Existing Transport Control Protocols, Performance of Transport Control Protocols.
January	Introduction, Wireless Transmission and Medium Access Control: Applications, A short history of wireless communication.
February	Wireless Transmission: Frequency for radio transmission, Signals, Antennas, Signal

	propagation, Multiplexing, Modulation, Spread spectrum, Cellular systems. Telecommunication, Satellite and Broadcast Systems
March	GSM: Mobile services and Revision.

Teaching Plan
(Academic Year 2019 - 20)

Semester: IV

Class: S.Y.B.Sc.C.S.

Subject/Paper Name: USCS407 Android Developer Fundamentals

Month	Topics to be covered
November	What is Android? Obtaining the required tools, creating first android app, understanding the components of screen,
December	Adapting display orientation, action bar, Activities and Intents, Activity Lifecycle and Saving State, Basic Views: TextView, Button, ImageButton, EditText, CheckBox, ToggleButton, RadioButton, and RadioGroup Views, ProgressBar View, AutoCompleteTextView, TimePicker View, DatePicker View, ListView View, Spinner View
January	User Input Controls, Menus, Screen Navigation, RecyclerView, Drawables, Themes and Styles, Material design, Providing resources for adaptive layouts, AsyncTask and AsyncTaskLoader, Connecting to the Internet, Broadcast receivers, Services, Notifications, Alarm managers, Transferring data efficiently
February	Data - saving, retrieving, and loading: Overview to storing data, Shared preferences, SQLite primer, store data using SQLite database, ContentProviders, loaders to load and display data,
March	Permissions, performance and security, Firebase and AdMob, Publish your app
April	

Teaching Plan
(Academic Year 2019 - 20)

Semester: III

Class: S.Y.B.Sc.I.T.

Subject/Paper Name: USIT304 Database Management Systems

Month	Topics to be covered
June	Introduction to Databases and Transactions What is database system, purpose of database system, view of data, relational databases, database architecture, transaction management Data Models The importance of data models, Basic building blocks, Business rules, The evolution of data models, Degrees of data abstraction. Database Design, ER Diagram and Unified Modeling Language Database design and ER Model: overview, ER Model, Constraints, ER Diagrams, ERD Issues, weak entity sets, Codd's rules, Relational Schemas, Introduction to UML
July	Relational database model: Logical view of data, keys, integrity rules, Relational Database design: features of good relational database design, atomic domain and Normalization (1NF, 2NF, 3NF, BCNF). Relational Algebra and Calculus Relational algebra: introduction, Selection and projection, set operations, renaming, Joins, Division, syntax, semantics. Operators, grouping and ungrouping, relational comparison.
August	Calculus: Tuple relational calculus, Domain relational Calculus, calculus vs algebra, computational capabilities Constraints, Views and SQL Constraints, types of constrains, Integrity constraints, Views: Introduction to views, data independence, security, updates on views, comparison between tables and views SQL: data definition, aggregate function, Null Values, nested sub queries, Joined relations. Triggers



	Transaction management and Concurrency Control Transaction management: ACID properties, serializability and concurrency control, Lock based concurrency control (2PL, Deadlocks), Time stamping methods, optimistic methods, database recovery management.
September	PL-SQL: Beginning with PL / SQL, Identifiers and Keywords, Operators, Expressions, Sequences, Control Structures, Cursors and Transaction, Collections and composite data types, Procedures and Functions, Exceptions Handling, Packages, With Clause and Hierarchical Retrieval, Triggers.
October	

Semester: IV

Class: S.Y.B.Sc.I.T.

Subject/Paper Name: USIT405 Computer Graphics and Animation

Month	Topics to be covered
November	Introduction to Computer Graphics: Overview of Computer Graphics, Computer Graphics Application and Software, Description of some graphics devices, Input Devices for Operator Interaction, Active and Passive Graphics Devices, Display Technologies, Storage Tube Graphics Displays, Calligraphic Refresh Graphics Displays, Raster Refresh (Raster-Scan) Graphics Displays, Cathode Ray Tube Basics, Color CRT Raster Scan Basics, Video Basics, The Video Controller, Random-Scan Display Processor, LCD displays.
December	Scan conversion – Digital Differential Analyzer (DDA) algorithm, Bresenham's Line drawing algorithm. Bresenham's method of Circle drawing, Midpoint Circle Algorithm, Midpoint Ellipse Algorithm, Mid-point criteria, Problems of Aliasing, end-point ordering and clipping lines, Scan Converting Circles, Clipping Lines algorithms– Cyrus-Beck, Cohen-Sutherland and Liang-Barsky, Clipping Polygons, problem with multiple components.
January	Two-Dimensional Transformations: Transformations and Matrices, Transformation Conventions, 2D Transformations, Homogeneous Coordinates and Matrix Representation of 2D Transformations, Translations and Homogeneous Coordinates, Rotation, Reflection, Scaling, Combined Transformation, Transformation of Points, Transformation of The Unit Square, Solid Body Transformations, Rotation About an Arbitrary Point, Reflection through an Arbitrary Line, A Geometric Interpretation of Homogeneous Coordinates, The Window-to-Viewport Transformations. Three-Dimensional Transformations: Three-Dimensional Scaling, Three-Dimensional Shearing, Three-Dimensional Rotation, Three-Dimensional Reflection, Three-Dimensional Translation, Multiple Transformation, Rotation about an Arbitrary Axis in Space, Reflection through an Arbitrary Plane, Matrix Representation of 3D Transformations, Composition of 3D Transformations, Affine and Perspective Geometry, Perspective Transformations, Techniques for Generating Perspective Views, Vanishing Points, the Perspective Geometry and camera models, Orthographic Projections, Axonometric Projections, Oblique Projections, View volumes for projections.
February	Viewing in 3D Stages in 3D viewing, Canonical View Volume (CVV), Specifying an Arbitrary 3D View, Examples of 3D Viewing, The Mathematics of Planar Geometric Projections, Combined transformation matrices for projections and viewing, Coordinate Systems and matrices, camera model and viewing pyramid. Light: Radiometry, Transport, Equation, Photometry Color: Colorimetry, Color Spaces, Chromatic Adaptation, Color Appearance Visible-Surface Determination: Techniques for efficient Visible-Surface Algorithms, Categories of algorithms, Back face removal, The z-Buffer Algorithm, Scan-line method, Painter's algorithms (depth sorting), Area sub-division method, BSP trees,



	Visible-Surface Ray Tracing, comparison of the methods. Plane Curves and Surfaces: Curve Representation, Nonparametric Curves, Parametric Curves, Parametric Representation of a Circle, Parametric Representation of an Ellipse, Parametric Representation of a Parabola, Parametric Representation of a Hyperbola, Representation of Space Curves, Cubic Splines, , Bezier Curves, B-spline Curves, B-spline Curve Fit, B-spline Curve Subdivision, Parametric Cubic Curves, Quadric Surfaces. Bezier Surfaces.
March	Computer Animation: Principles of Animation, Key framing, Deformations, Character Animation, Physics-Based Animation, Procedural Techniques, Groups of Objects. Image Manipulation and Storage: What is an Image? Digital image file formats, Image compression standard – JPEG, Image Processing - Digital image enhancement, contrast stretching, Histogram Equalization, smoothing and median Filtering.
April	

Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: T.Y.B.Sc.I.T.

Subject/Paper Name: USIT502 Internet of Things

Month	Topics to be covered
June	The Internet of Things: An Overview Design Principles for Connected Devices Internet Principles
July	Thinking About Prototyping Prototyping Embedded Devices Prototyping the Physical Design
August	Prototyping Online Components Techniques for Writing Embedded Code Business Models
September	Moving to Manufacture Ethics
October	

Semester: VI

Class: T.Y.B.Sc.I.T.

Subject/Paper Name:

Month	Topics to be covered
November	
December	A Gentle Introduction to GIS: The nature of GIS The real world and representations of it Geographic Information and Spatial Database Models and Representations of the real world : Geographic Phenomena Computer Representations of Geographic Information Organizing and Managing Spatial Data The Temporal Dimension
January	Data Management and Processing Systems Hardware and Software Trends Geographic Information Systems Stages of Spatial Data handling Database management Systems GIS and Spatial Databases
February	Spatial Referencing and Positioning Spatial Referencing Satellite-based Positioning Data Entry and Preparation Spatial Data Input Data Quality Data Preparation



	Point Data Transformation
March	
April	

Teaching Plan

(Academic Year 2019 - 20)

Semester: V

Class: T.Y.B.Sc.C.S.

Subject/Paper Name: USCS507 Game Programming

Month	Topics to be covered
June	<p>Mathematics for Computer Graphics, DirectX Kickstart:</p> <p>Cartesian Coordinate system: The Cartesian XY-plane, Function Graphs, Geometric Shapes, Polygonal Shapes, Areas of Shapes, Theorem of Pythagoras in 2D, Coordinates, Theorem of Pythagoras in 3D, 3D Polygons, Euler's Rule</p> <p>Vectors: Vector Manipulation, multiplying a Vector by a Scalar, Vector Addition and Subtraction, Position Vectors, Unit Vectors, Cartesian Vectors, Vector Multiplication, Scalar Product, Example of the Dot Product, The Dot Product in Lighting Calculations, The Dot Product in Back-Face Detection, The Vector Product, The Right-Hand Rule, deriving a Unit Normal Vector for a Triangle Areas, Calculating 2D Areas</p>
July	<p>Transformations: 2D Transformations, Matrices, Homogeneous Coordinates, 3D Transformations, Change of Axes, Direction Cosines, rotating a Point about an Arbitrary Axis, Transforming Vectors, Determinants, Perspective Projection, Interpolation</p> <p>DirectX: Understanding GPU and GPU architectures. How they are different from CPU Architectures? Understanding how to solve by GPU?</p> <p>DirectX Pipeline and Programming:</p> <p>Introduction To DirectX 11: COM, Textures and Resources Formats, The swap chain and Page flipping, Depth Buffering, Texture Resource Views, Multisampling Theory and MS in Direct3D, Feature Levels</p> <p>Direct3D 11 Rendering Pipeline: Overview, Input Assembler Stage (IA), Vertex Shader Stage (VS), The Tessellation Stage (TS), Geometry Shader Stage (GS), Pixel Shader Stage (PS), Output merger Stage (OM)</p> <p>Understanding Meshes or Objects, Texturing, Lighting, Blending.</p> <p>Interpolation and Character Animation:</p> <p>Trigonometry: The Trigonometric Ratios, Inverse Trigonometric Ratios, Trigonometric Relationships, The Sine Rule, The Cosine Rule, Compound Angles, Perimeter Relationships</p> <p>Interpolation: Linear Interpolant, Non-Linear Interpolation, Trigonometric Interpolation, Cubic Interpolation, Interpolating Vectors, Interpolating Quaternions</p>
August	<p>Curves: Circle, Bezier, B-Splines</p> <p>Analytic Geometry: Review of Geometry, 2D Analytic Geometry, Intersection Points, Point in Triangle, and Intersection of circle with straight line.</p> <p>Introduction to Rendering Engines: Understanding the current market Rendering Engines. Understanding AR, VR and MR. Depth Mappers, Mobile Phones, Smart Glasses, HMD's</p> <p>Unity Engine: Multi-platform publishing, VR + AR: Introduction and working in Unity, 2D, Graphics, Physics, Scripting, Animation, Timeline, Multiplayer and Networking, UI, Navigation and Pathfinding, XR, Publishing.</p>
September	<p>Scripting: Scripting Overview, Scripting Tools and Event Overview</p> <p>XR: VR, AR, MR, Conceptual Differences. SDK, Devices</p>



October

Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: T.Y.B.Sc.I.T.

Subject/Paper Name: USIT502 Internet of Things

Month	Topics to be covered
June	<p>The Internet of Things: An Overview : The Flavour of the Internet of Things, The “Internet” of “Things”, The Technology of the Internet of Things, Enchanted Objects, Who is Making the Internet of Things?</p> <p>Design Principles for Connected Devices: Calm and Ambient Technology, Magic as Metaphor, Privacy, Keeping Secrets, Whose Data Is It Anyway? Web Thinking for Connected Devices, Small Pieces, Loosely Joined, First-Class Citizens On The Internet, Graceful Degradation, Affordances.</p> <p>Internet Principles: Internet Communications: An Overview, IP, TCP, The IP Protocol Suite (TCP/IP), UDP, IP Addresses, DNS, Static IP Address Assignment, Dynamic IP Address Assignment, IPv6, MAC Addresses, TCP and UDP Ports, An Example: HTTP Ports, Other Common Ports, Application Layer Protocols, HTTP, HTTPS: Encrypted HTTP, Other Application Layer Protocols.</p>
July	<p>Thinking About Prototyping: Sketching, Familiarity, Costs versus Ease of Prototyping, Prototypes and Production, Changing Embedded Platform, Physical Prototypes and Mass Personalisation, Climbing into the Cloud, Open Source versus Closed Source, Why Closed? Why Open? Mixing Open and Closed Source, Closed Source for Mass Market Projects, Tapping into the Community.</p> <p>Prototyping Embedded Devices: Electronics, Sensors, Actuators, Scaling Up the Electronics, Embedded Computing Basics, Microcontrollers, System-on-Chips, Choosing Your Platform, Arduino, Developing on the Arduino, Some Notes on the Hardware, Openness, Raspberry Pi, Cases and Extension Boards, Developing on the Raspberry Pi, Some Notes on the Hardware, Openness.</p> <p>Prototyping the Physical Design: Preparation, Sketch, Iterate, and Explore, Nondigital Methods, Laser Cutting, Choosing a Laser Cutter, Software, Hinges and Joints, 3D Printing, Types of 3D Printing, Software, CNC Milling, Repurposing/Recycling</p>
August	<p>Prototyping Online Components: Getting Started with an API, Mashing Up APIs, Scraping, Legalities, Writing a New API, Clockodillo, Security, Implementing the API, Using Curl to Test, Going Further, Real-Time Reactions, Polling, Comet, Other Protocols, MQ Telemetry Transport, Extensible Messaging and Presence Protocol, Constrained Application Protocol.</p> <p>Techniques for Writing Embedded Code: Memory Management, Types of Memory, Making the Most of Your RAM, Performance and Battery Life, Libraries, Debugging, Business Models: A Short History of Business Models, Space and Time, From Craft to Mass Production, The Long Tail of the Internet, Learning from History, The Business Model Canvas, Who Is the Business Model For? Models, Make Thing, Sell Thing, Subscriptions, Customisation, Be a Key Resource, Provide Infrastructure: Sensor Networks, Take a Percentage, Funding an Internet of Things Startup, Hobby Projects and Open Source, Venture Capital, Government Funding, Crowdfunding, Lean Startups.</p>
September	<p>Moving to Manufacture: What Are You Producing? Designing Kits, Designing Printed circuit boards, Software Choices, The Design Process, Manufacturing Printed</p>



	<p>Circuit Boards, Etching Boards, Milling Boards. Assembly, Testing, Mass-Producing the Case and Other Fixtures, Certification, Costs, Scaling Up Software, Deployment, Correctness and Maintainability, Security, Performance, User Community.</p> <p>Ethics: Characterizing the Internet of Things, Privacy, Control, Disrupting Control, Crowdsourcing, Environment, Physical Thing, Electronics, Internet Service, Solutions, The Internet of Things as Part of the Solution, Cautious Optimism, The Open Internet of Things Definition</p>
October	

Semester:VI

Class: T.Y.B.Sc.I.T.

Subject/Paper Name: USIT604Principles of Geographic Information Systems

Month	Topics to be covered
November	
December	<p>A Gentle Introduction to GIS The nature of GIS: Some fundamental observations, Defining GIS, GISystems, GIScience and GIApplications, Spatial data and Geoinformation. The real world and representations of it: Models and modelling, Maps, Databases, Spatial databases and spatial analysis</p> <p>Geographic Information and Spatial Database Models and Representations of the real world Geographic Phenomena: Defining geographic phenomena, types of geographic phenomena, Geographic fields, Geographic objects, Boundaries Computer Representations of Geographic Information: Regular tessellations, irregular tessellations, Vector representations, Topology and Spatial relationships, Scale and Resolution, Representation of Geographic fields, Representation of Geographic objects Organizing and Managing Spatial Data The Temporal Dimension</p>
January	<p>Data Management and Processing Systems Hardware and Software Trends Geographic Information Systems: GIS Software, GIS Architecture and functionality, Spatial Data Infrastructure (SDI)</p> <p>Stages of Spatial Data handling: Spatial data handling and preparation, Spatial Data Storage and maintenance, Spatial Query and Analysis, Spatial Data Presentation.</p> <p>Database management Systems: Reasons for using a DBMS, Alternatives for data management, The relational data model, Querying the relational database.</p> <p>GIS and Spatial Databases: Linking GIS and DBMS, Spatial database functionality.</p>
February	<p>Spatial Referencing and Positioning Spatial Referencing: Reference surfaces for mapping, Coordinate Systems, Map Projections, Coordinate Transformations Satellite-based Positioning: Absolute positioning, Errors in absolute positioning, Relative positioning, Network positioning, code versus phase measurements, Positioning technology</p> <p>Data Entry and Preparation Spatial Data Input: Direct spatial data capture, Indirect spatial data capture, Obtaining spatial data elsewhere</p> <p>Data Quality: Accuracy and Positioning, Positional accuracy, Attribute accuracy, Temporal accuracy, Lineage, Completeness, Logical consistency</p> <p>Data Preparation: Data checks and repairs, Combining data from multiple sources</p> <p>Point Data Transformation: Interpolating discrete data, Interpolating continuous data</p>
March	<p>Spatial Data Analysis Classification of analytical GIS Capabilities Retrieval, classification and measurement: Measurement, Spatial selection queries, Classification</p> <p>Overlay functions: Vector overlay operators,Raster overlay operators Neighbourhood functions: Proximity computations, Computation of diffusion, Flow computation, Raster based surface analysis Analysis: Network analysis, interpolation, terrain</p>



	modeling GIS and Application models: GPS, Open GIS Standards, GIS Applications and Advances Error Propagation in spatial data processing: How Errors propagate, Quantifying error propagation
April	Data Visualization GIS and Maps, The Visualization Process Visualization Strategies: Present or explore? The cartographic toolbox: What kind of data do I have?, How can I map my data? How to map?: How to map qualitative data, How to map quantitative data, How to map the terrain elevation, How to map time series Map Cosmetics, Map Dissemination

Teaching Plan
(Academic Year 2019 - 20)

Semester: I

Class: FYBCom A,B,C,D& E

Subject/Paper Name: Accountancy and Financial Management -I

Month	Topics to be covered
June	Not Available
July	Departmental Account Introduction
August	Accounting for Hire Purchase Introduction & Practice Problems
September	Final Accounts Introduction & Practice Problems
October	Accounting Standards(AS 1)(AS2)(AS3)

Semester: II

Class: FYBCom A,B,C,D& E

Subject/Paper Name: Accountancy and Financial Management-II

Month	Topics to be covered
November	SEMESTER I EXAM
December	Branch Accounts, Introduction & Practice Problems
January	Consignment Accounts, Introduction & Practice Problems
February	Accounting from Incomplete Records, Introduction & Practice Problems
March	SEMESTER II EXAM
April	

Teaching Plan
(Academic Year 2019 - 20)

Semester: III

Class: SYBCom A,B,C& D

Subject/Paper Name: Accountancy and Financial Management

Month	Topics to be covered
June	Not Available
July	Conversion or sale of Partnership, Introduction and Practice Problems
August	Amalgamation of Firms ,Introduction and Practice Problems
September	Piecemeal Distribution and Partnership Final accounts introduction and Practice Problems
October	SEMESTER III EXAM

Semester: IV

Class: SYBCom A,C& D

Subject/Paper Name: Accountancy and Financial Management

Month	Topics to be covered
November	Redemptions of Preference shares, Introduction and Practice Problems
December	Redemptions of Debentures, Introduction and Practice Problems
January	Profit Prior to Incorporation ,Introduction and Practice Problems
February	Introduction to Company accounts ,Introduction
March	SEMESTER IV EXAM



April	
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**Teaching Plan
(Academic Year 2019 - 20)**

Semester: V

Class: TYBCom A, B & C

Subject/Paper Name: Cost Accountancy

Month	Topics to be covered
June	Introduction to Cost Accounting
July	Classification of Cost & Cost sheet Introduction
August	Classification of Cost & Cost sheet, Practice Problem
September	Reconciliation of Final Accounts & Cost Accounts Introductions, Practice Problem
October	SEMESTER V EXAM

Semester: V

Class: TYBCom A, B & C

Subject/Paper Name: Direct Taxation

Month	Topics to be covered
June	Basic concept of taxation
July	Income from House Property , Introduction, Practice Problem
August	Income from Capital Gains, Introduction Practice Problem
September	Income from Business & Profession, Introduction Practice Problem
October	SEMESTER V EXAM

Semester: VI

Class: TYBCom A, B & C

Subject/Paper Name: Cost Accountancy

Month	Topics to be covered
November	Cost Control Accounts Introduction
December	Cost Control Accounts Introduction Practice Problem
January	Emerging concepts of cost Accounts
February	Emerging concepts of cost Accounts
March	SEMESTER VI EXAM
April	

Semester: VI

Class: TYBCom A, B & C

Subject/Paper Name: Indirect Taxation

Month	Topics to be covered
November	Input Tax Credit Introduction
December	Input Tax Credit Practice Problem
January	Registration Under GST Law Introduction
February	Registration Under GST Law Practice Problem
March	SEMESTER VI EXAM
April	

TEACHING PLAN: 2019 – 2020

Semester – II

Class: FYBSC CS

Division: A

Subject / Paper: **USCS207 GT**

Name: Prof. Javedkha Asifkha Pathan



Department: Computer Science

Month	Topics to be covered
NOV	Green IT Overview: Green Devices and Hardware: Green Software:
DEC	Sustainable Software Development: Green Data Centres: Green Data Storage: Green Networks and Communications:
JAN	Enterprise Green IT Strategy: Sustainable Information Systems and Green Metrics:
FEB	Enterprise Green IT Readiness: Sustainable IT Services: Creating a Framework for Service Innovation: Green Enterprises and the Role of IT:
MAR	Revision

TEACHING PLAN: 2019 – 2020

Semester – II

Class: FYBSC IT

Division: A

Subject / Paper: **USIT203 WP**

Name: Prof. Javedkha Asifkha Pathan

Department: Information Technology

Month	Topics to be covered
NOV	Internet and the World Wide Web: HTML5:
DEC	HTML5 Page layout and navigation: HTML5 Tables, Forms and Media:
JAN	Java Script: Operators: Statements: Core JavaScript (Properties and Methods of Each) : Document and its associated objects, Events and Event Handlers
FEB	PHP: Advanced PHP and MySQL
MAR	Revisions

TEACHING PLAN: 2019 – 2020

Semester – VI

Class: TYBSC CS

Division: A

Subject / Paper: **USCS603 CF**

Name: Prof. Javedkha Asifkha Pathan

Department: Computer Science

Month	Topics to be covered
NOV	Computer Forensics :
DEC	Network Forensic : Cell Phone and Mobile Device Forensics:
JAN	Internet Forensic : E-mail Forensics : Messenger Forensics: Social Media Forensics: Browser Forensics:



FEB	Investigation, Evidence presentation and Legal aspects of Digital Forensics: Introduction to Legal aspects of Digital Forensics:
MAR	Revisions

TEACHING PLAN: 2019 – 2020

Semester – VI

Class: TYBSC IT

Division: A

Subject / Paper: **USIT603 BI**

Name: Prof. Javedkha Asifkha Pathan

Department: Information Technology

Month	Topics to be covered
NOV	Business intelligence: Decision support systems:
DEC	Mathematical models for decision making: Data mining: Data preparation: Classification:
JAN	Clustering: Business intelligence applications: Marketing models: Logistic and production models: Data envelopment analysis:
FEB	Knowledge Management: Artificial Intelligence and Expert Systems:
MAR	Revisions

TEACHING PLAN: 2019 – 2020

Semester – I

Class: FYBSC CS

Division: A

Subject / Paper: **USCS104 DBS**

Name: Prof. Javedkha Asifkha Pathan

Department: Computer Science

Month	Topics to be covered
JUNE	Introduction to DBMS – Database, DBMS – Definition, Overview of DBMS, Advantages of DBMS, Levels of abstraction, Data independence, DBMS Architecture Data models - Client/Server Architecture, Object Based Logical Model, Record Based Logical Model (relational, hierarchical, network) Entity Relationship Model
JULY	Relational data model– Domains, attributes, Tuples and Relations, Relational Model Notation, Characteristics of Relations, Relational Constraints - primary key, referential integrity, unique constraint, Null constraint, Check constraint ER to Table, Schema refinement and Normal forms: Functional dependencies, first, second, third, and BCNF normal forms based on primary keys, lossless join decomposition.
AUGUST	Relational Algebra operations (selection, projection, set operations union, intersection, difference, cross product, Joins –conditional, equi join and natural joins, division) DDL Statements - Creating Databases, Using Databases, data types, Creating Tables(with integrity constraints – primary key, default, check, not null), Altering Tables, Renaming Tables, Dropping Tables, Truncating Tables, Backing Up and Restoring databases DML Statements – Viewing the structure of a table insert, update, delete, Select all columns, specific columns, unique records, conditional select, in clause, between clause, limit, aggregate functions (count, min, max, avg, sum), group by clause, having clause
SEPTEMBER	Functions – String Functions (concat, instr, left, right, mid, length, lcase/lower, ucase/upper, replace, strcmp, trim, ltrim, rtrim), Math Functions (abs, ceil, floor, mod, pow, sqrt, round, truncate) Date Functions (adddate, datediff, day, month, year, hour, min, sec, now, reverse)



	Joining Tables, Subqueries – subqueries with IN, EXISTS, subqueries restrictions, Nested subqueries, ANY/ALL clause, correlated subqueries Database Protection: Security Issues, Threats to Databases, Security Mechanisms, Role of DBA, Discretionary Access Control Views, DCL Statements (creating/dropping users, privileges introduction, granting/revoking privileges, viewing privileges)
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TEACHING PLAN: 2019 – 2020

Semester – III

Class: SYBSC CS

Division: A

Subject / Paper: **USCS301 ToC**

Name: Prof. Javedkha Asifkha Pathan

Department: Computer Science

Month	Topics to be covered
JUNE	Automata Theory: Defining Automaton, Finite Automaton, Transitions and Its properties, Acceptability by Finite Automaton, Nondeterministic Finite State Machines, DFA and NFA equivalence, Mealy and Moore Machines, Minimizing Automata. Formal Languages: Defining Grammar, Derivations, Languages generated by Grammar, Chomsky Classification of Grammar and Languages,
JULY	Recursive Enumerable Sets, Operations on Languages, Languages and Automata Regular Sets and Regular Grammar: Regular Grammar, Regular Expressions, Finite automata and Regular Expressions, Pumping Lemma and its Applications, Closure Properties, Regular Sets and Regular Grammar Context Free Languages: Context-free Languages, Derivation Tree, Ambiguity of Grammar, CFG simplification, Normal Forms, Pumping Lemma for CFG
AUGUST	Pushdown Automata: Definitions, Acceptance by PDA, PDA and CFG Linear Bound Automata: The Linear Bound Automata Model, Linear Bound Automata and Languages.
SEPTEMBER	Turing Machines: Turing Machine Definition, Representations, Acceptability by Turing Machines, Designing and Description of Turing Machines, Turing Machine Construction, Variants of Turing Machine, Undecidability: The Church-Turing thesis, Universal Turing Machine, Halting Problem, Introduction to Unsolvability Problems

TEACHING PLAN: 2019 – 2020

Semester – III

Class: SYBSC CS

Division: A

Subject / Paper: **USCS307 WP**

Name: Prof. Javedkha Asifkha Pathan

Department: Computer Science



Month	Topics to be covered
JUNE	HTML5: Fundamental Elements of HTML, Formatting Text in HTML, Organizing Text in HTML, Links and URLs in HTML, Tables in HTML, Images on a Web Page, Image Formats, Image Maps, Colors, FORMs in HTML, Interactive Elements, Working with Multimedia - Audio and Video File Formats, HTML elements for inserting Audio / Video on a web page
JULY	CSS: Understanding the Syntax of CSS, CSS Selectors, Inserting CSS in an HTML Document, CSS properties to work with background of a Page, CSS properties to work with Fonts and Text Styles, CSS properties for positioning an element JavaScript: Using JavaScript in an HTML Document, Programming Fundamentals of JavaScript – Variables, Operators, Control Flow Statements, Popup Boxes, Functions – Defining and Invoking a Function, Defining Function arguments, Defining a Return Statement, Calling Functions with Timer,
AUGUST	JavaScript Objects - String, RegExp, Math, Date, Browser Objects - Window, Navigator, History, Location, Document, Cookies, Document Object Model, Form Validation using JavaScript XML: Comparing XML with HTML, Advantages and Disadvantages of XML, Structure of an

	XML Document, XML Entity References, DTD, XSLT: XSLT Elements and Attributes - xsl:template, xsl:apply-templates, xsl:import, xsl:call-template, xsl:include, xsl:element, xsl:attribute, e xsl:attribute-set, xsl:value-of
SEPTEMBER	AJAX: AJAX Web Application Model, How AJAX Works, XMLHttpRequest Object – Properties and Methods, Handling asynchronous requests using AJAX PHP: Variables and Operators, Program Flow, Arrays, Working with Files and Directories, Working with Databases, Working with Cookies, Sessions and Headers Introduction to jQuery: Fundamentals, Selectors, methods to access HTML attributes, methods for traversing, manipulators, events, effects

TEACHING PLAN

Academic Year : **2019 - 2020**

Subject : USIT102 Digital Electronics

Class : FYIT Sem I

Division : A

Name of Faculty : **Professor Muzaffar Palsania**

Months	Topics to be covered	Assigned Lecture
JUNE		
JULY	Analog System, digital system, numbering system, binary number system, octal number system, hexadecimal number system, conversion from one number system to another, floating point numbers, weighted codes binary coded decimal, non-weighted codes Excess – 3 code, Gray code, Alphanumeric codes.	6
AUGUST	Binary Arithmetic: Binary addition, Binary subtraction, Negative number representation, Subtraction using 1's complement and 2's complement, Binary multiplication and division, Arithmetic in octal number system, Arithmetic in hexadecimal number system, BCD and Excess – 3 arithmetic. Boolean Algebra and Logic Gates: Introduction, Logic (AND OR NOT), Boolean theorems, Boolean Laws, De Morgan's Theorem, Perfect Induction, Reduction of Logic expression using Boolean Algebra, Deriving Boolean expression from given circuit, exclusive OR and Exclusive NOR gates, Universal Logic gates, Implementation of other gates using universal gates, Input bubbled logic, Assertion level. Minterm, Maxterm and Karnaugh Maps: Introduction, minterms and sum of minterm form, maxterm and Product of maxterm form, Reduction technique using Karnaugh maps – 2/3/4/5/6 variable K-maps, Grouping of variables in K-maps, K-maps for product of sum form, minimize Boolean expression using K-map and obtain K-map from Boolean expression, Quine Mc Cluskey Method.	20
SEPTEMBER	Combinational Logic Circuits: Introduction, Multi-input, multi-output Combinational circuits, Code converters design and implementations Arithmetic Circuits: Introduction, Adder, BCD Adder, Excess – 3 Adder, Binary Subtractors, BCD Subtractor, Multiplier, Comparator. Multiplexer, Demultiplexer, ALU, Encoder and Decoder: Introduction, Multiplexer, Demultiplexer, Decoder, ALU, Encoders. Sequential Circuits: Flip-Flop: Introduction, Terminologies used, S-R flip-flop, D flip-fop, JK flip-flop, Race-around condition, Master – slave JK flip-flop, T flip-flop,	20
October	Counters:	12



	<p>Introduction, Asynchronous counter, Terms related to counters, IC 7493 (4-bit binary counter), Synchronous counter, Bushing, Type T Design, Type JK Design, Presetable counter, IC 7490, IC 7492, Synchronous counter ICs, Analysis of counter circuits.</p> <p>Shift Register: Introduction, parallel and shift registers, serial shifting, serial-in serial-out, serial-in parallel-out, parallel-in parallel-out, Ring counter, Johnson counter, Applications of shift registers, Pseudo-random binary sequence generator, IC7495, Seven Segment displays, analysis of shift counters.</p>	
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TEACHING PLAN

Academic Year : 2019 - 2020

Subject : Discrete Mathematics

Semester - I

Class : **FYBSc IT**

Name of Faculty : **Professor**

Months	Topics to be covered	Assigned Lecture
JUNE	<p>Introduction : Variables, The Language of Sets, The Language of Relations and Function.</p> <p>Set Theory: Definitions and the Element Method of Proof, Properties of Sets, Disproofs, Algebraic Proofs, Boolean Algebras, Russell's Paradox and the Halting Problem.</p>	15
JULY	<p>The Logic of Compound Statements: Logical Form and Logical Equivalence, Conditional Statements, Valid and Invalid Arguments. Quantified Statements: Predicates and Quantified Statements, Statements with Multiple Quantifiers, Arguments with Quantified Statements.</p> <p>Elementary Number Theory and Methods of Proof: Introduction to Direct Proofs, Rational Numbers, Divisibility, Division into Cases and the Quotient-Remainder Theorem, Floor and Ceiling, Indirect Argument: Contradiction and Contraposition, Two Classical Theorems, Applications in algorithms.</p>	15
AUGUST	<p>Sequences, Mathematical Induction, and Recursion : Sequences, Mathematical Induction, Strong Mathematical Induction and the Well-Ordering Principle for the Integers, Correctness of algorithms, defining sequences recursively, solving recurrence relations by iteration, Second order linear homogenous recurrence relations with constant coefficients, general recursive definitions and structural induction.</p> <p>Functions: Functions Defined on General Sets, One-to-One and Onto, Inverse Functions, Composition of Functions, Cardinality with Applications to Computability.</p>	15
SEPTEMBER	<p>Relations: Relations on Sets, Reflexivity, Symmetry, and Transitivity, Equivalence Relations, Partial Order Relations.</p> <p>Graphs and Trees : Definitions and Basic Properties, Trails, Paths, and Circuits, Matrix Representations of Graphs, Isomorphism's of Graphs, Trees, Rooted Trees, Isomorphism's of Graphs, Spanning trees and shortest paths.</p> <p>Counting and Probability : Introduction, Possibility Trees and the Multiplication Rule, Possibility Trees and the Multiplication Rule, Counting Elements of Disjoint Sets: The Addition Rule, The Pigeonhole Principle, Counting Subsets of a Set: Combinations, r-Combinations with Repetition Allowed, Probability Axioms and Expected Value, Conditional Probability, Bayes' Formula and Independent Events.</p>	15

TEACHING PLAN

Academic Year : 2019 - 2020



Subject : USIT103 Operating Systems

Class : **FYBSc IT**

Division : A

Name of Faculty : **Professor Muzaffar Palsania**

Months	Topics to be covered	Assigned Lecture
JUNE		
JULY	Introduction Processes and Threads	5
AUGUST	Memory Management File Systems Input-Output	15
SEPTEMBER	Deadlocks Virtualization and Cloud Multiple Processor Systems	20
OCTOBER	Case Study on LINUX and ANDROID Case Study on Windows	

Teaching Plan

Academic Year : 2019 - 2020

Subject : **USIT 101 IMPERATIVE PROGRAMMING.**

Class : **FYBSC-IT**

Division : A

Name of Faculty : **Professor Shaikh Sameer**

Months	Topics to be covered	Assigned Lecture
JUNE		
JULY	Introduction, fundamentals , operators and expressions. Data input and output , conditional statements and Loops, Functions, Program structure.	20
AUGUST	Storage classes, automatic variables, external variables, static variables, multifile programs, more library functions.	20
SEPTEMBER	Preprocessors , Arrays , Pointers , Structure and Unions.	20

Teaching Plan

(Academic Year 2019 - 20)

Semester: **I**

Class: **FYBAF**



Subject/Paper Name: **FOUNDATION COURSE I**

Month	Topics to be covered
June	
July	MODULE I – Overview of Indian Society
August	MODULE II – Concept of Disparity I MODULE III – Concept of Disparity II
September	MODULE IV – The Indian Constitution MODULE V – Significant Aspects of Political Processes

	INTERNAL EXAMINATION
October	

Teaching Plan

(Academic Year 2019 - 20)

Semester: I

Class: FYBMS B

Subject/Paper Name: FOUNDATION COURSE I

Month	Topics to be covered
June	
July	MODULE I – Overview of Indian Society
August	MODULE II – Concept of Disparity I
September	MODULE IV – The Indian Constitution INTERNAL EXAMINATION
October	

Teaching Plan

(Academic Year 2019 - 20)

Semester: I

Class: FYBMS B

Subject/Paper Name: FOUNDATION COURSE I

Month	Topics to be covered
June	
July	MODULE I – Overview of Indian Society
August	MODULE II – Concept of Disparity I
September	MODULE IV – The Indian Constitution INTERNAL EXAMINATION
October	

Teaching Plan

(Academic Year 2019 - 20)

Semester: I

Class: FYBBI

Subject/Paper Name: FOUNDATION COURSE I

Month	Topics to be covered
June	
July	MODULE I – Overview of Indian Society
August	MODULE II – Concept of Disparity I MODULE III – Concept of Disparity II
September	MODULE IV – The Indian Constitution MODULE V – Significant Aspects of Political Processes INTERNAL EXAMINATION
October	

Teaching Plan

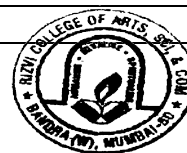
(Academic Year 2019 - 20)

Semester: III

Class: SYBAF

Subject/Paper Name: BUSINESS LAW

Month	Topics to be covered
June	



July	MODULE I – Indian Partnership Act, 1932
August	MODULE II – Limited Liability Partnership Act, 2008
September	MODULE III – The Factories Act, 1948
October	

Teaching Plan
(Academic Year 2019 - 20)

Semester: I

Class: FYBMS

Subject/Paper Name: BUSINESS LAW

Month	Topics to be covered
June	
July	MODULE I - The Indian Contract Act, 1872
August	MODULE II – The Sale of Goods Act, 1930 MODULE III – The Negotiable Instruments Act, 1881
September	MODULE IV – The Consumer Protection Act, 1986 MODULE VI – Intellectual Property Rights MODULE V – The Companies Act, 1956
October	MODULE V – The Companies Act, 1956

TEACHING PLAN Academic Year: 2019 – 2020

Subject: USCS106 COMPUTER SCIENCE

Class: F.Y. B.Sc. CS

Division: A Name of Faculty: Vaibhavi Mulmule



Month	Topics to be	Assigned
Jun-19	<ul style="list-style-type: none"> • Data Presentation Data types: attribute, variable, discrete and continuous variable 	4
Jul-19	<ul style="list-style-type: none"> • Data Aggregation Measures of Central tendency: Mean, Median, mode for raw data, discrete, grouped frequency distribution. Measures dispersion: Variance, standard deviation, coefficient of variation for raw data, discrete and grouped frequency distribution, quartiles, quantiles Real life Examples 	1 5
Aug-19	<ul style="list-style-type: none"> • Measures of Skewness and Kurtosis: based on moments, quartiles, relation between mean, median, mode for symmetric, asymmetric frequency curve. • Correlation and Regression: bivariate data, scatter plot, correlation, nonsense correlation, Karl pearson's coefficients of correlation, independence. • Linear regression: fitting of linear regression using least square regression, coefficient 	1 5
Sep-19	<ul style="list-style-type: none"> • Probability: Random experiment, sample space, events types and operations of events • Probability definition: classical, axiomatic, Elementary Theorems of probability (without proof) <ul style="list-style-type: none"> ○ $0 \leq P(A) \leq 1,$ ○ $P(A \cup B) = P(A) + P(B) - P(A \cap B)$ ○ $P(A') = 1 - P(A)$ ○ $P(A) \leq P(B)$ if $A \subset B$ • Conditional probability, 'Bayes' theorem, independence, Examples on Probability 	1 1

Class : **FYB.Sc CS**

Division : A

Name of Faculty : **ZAIDI ZARI HAIDER**

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
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JULY	Reasons for Python as the learner's first programming language. Introduction to the IDLE interpreter (shell) and its documentation. Expression evaluation: similarities and differences compared to a calculator; expressions and operators of types int, float, boolean. Built-in function type. Operator precedence. Enumeration of simple and compound statements. The expression statement. The assert statement, whose operand is a boolean expression (values true or false). The assignment statement, dynamic binding of names to values, (type is associated with data and not with names); automatic and implicit declaration of variable names with the assignment statement; assigning the valueNone to a name. The del (delete) statement. Input/output with print and input functions. A statement list (semicolon-separated list of simple statements on a single line) as a single interpreter command. The import statement for already-defined functions and constants. The augmented assignment statement. The built-in help() function. Interactive and script modes of IDLE, running a script, restarting the shell. The compound statement def to define functions; the role of indentation for delimiting the body of a compound statement; calling a previously defined function. Compound data types str, tuple and list (enclosed in quotes, parentheses and brackets, respectively). Indexing individual elements within these types. Strings and tuples are immutable, lists are mutable. Built-in functions min, max, sum. Interactive solution of model problems, (e.g., finding the square root of a number or zero of a function), by repeatedly executing the body of a loop (where the body is a statement list).	15	
AUGUST	Advantages of functions, function parameters, formal parameters, actual parameters, global and local variables. The range function, the iterative for statement. The conditional statements if, if-else, if-elif-else. The iterative statements while, while-else, for-else. The continue statement to skip over one iteration of a loop, the break statement to exit the loop. Nested compound statements. Dictionaries: concept of key-value pairs, techniques to create, update and delete dictionary items. Problem-solving using compound types and statements.	15	
SEPTEMBER	Anonymous functions. List comprehensions. Gentle introduction to object-oriented programming; using the built-in dir() function, enumerate the methods of strings, tuples, lists, dictionaries. Using these methods for problem-solving with compound types.	15	

Teaching Plan

Academic Year : 2019 - 2020

Subject : **USCS104 DBS**

Class : **FYBSc Computer Science**

Division : A

Name of Faculty : **Professor Javed Pathan**

Months	Topics to be covered	Assigned Lecture
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JUNE	<p>Introduction to DBMS – Database, DBMS – Definition, Overview of DBMS, Advantages of DBMS, Levels of abstraction, Data independence, DBMS Architecture</p> <p>Data models - Client/Server Architecture, Object Based Logical Model, Record Based Logical Model (relational, hierarchical, network)</p> <p>Entity Relationship Model</p>	11
JULY	<p>Relational data model– Domains, attributes, Tuples and Relations, Relational Model Notation, Characteristics of Relations, Relational Constraints - primary key, referential integrity, unique constraint, Null constraint, Check constraint</p> <p>ER to Table, Schema refinement and Normal forms: Functional dependencies, first, second, third, and BCNF normal forms based on primary keys, lossless join decomposition.</p>	13
AUGUST	<p>Relational Algebra operations (selection, projection, set operations union, intersection, difference, cross product, Joins –conditional, equi join and natural joins, division)</p> <p>DDL Statements - Creating Databases, Using Databases, data types, Creating Tables(with integrity constraints – primary key, default, check, not null), Altering Tables, Renaming Tables, Dropping Tables, Truncating Tables, Backing Up and Restoring databases</p> <p>DML Statements – Viewing the structure of a table insert, update, delete, Select all columns, specific columns, unique records, conditional select, in clause, between clause, limit, aggregate functions (count, min, max, avg, sum), group by clause, having clause</p>	12
SEPTEMBER	<p>Functions – String Functions (concat, instr, left, right, mid, length, lcase/lower, ucage/upper, replace, strcmp, trim, ltrim, rtrim), Math Functions (abs, ceil, floor, mod, pow, sqrt, round, truncate) Date Functions (adddate, datediff, day, month, year, hour, min, sec, now, reverse)</p> <p>Joining Tables, Subqueries – subqueries with IN, EXISTS, subqueries restrictions, Nested subqueries, ANY/ALL clause, correlated subqueries</p> <p>Database Protection: Security Issues, Threats to Databases, Security Mechanisms, Role of DBA, Discretionary Access Control</p> <p>Views, DCL Statements (creating/dropping users, privileges introduction, granting/revoking privileges, viewing privileges)</p>	10

TEACHING PLAN

Academic Year : **2019 - 2020**

Subject : **Discrete Mathematics**

Semester-I

Class : **FYBSc Computer Science**

Name of Faculty : **Dr.Pankaj Shrivastava**

Months	Topics to be covered	Assigned Lecture
JUNE	<p>a) Functions : Definition of function. Domain, co domain and the range of a function. Direct and inverse images. Injective, surjective and bijective functions. Composite and inverse functions.</p> <p>b) Relations: Definition and examples, Properties of relations, Partial Ordering sets, Linear Ordering Hasse Daigrams, Maximum and Minimum elements, Lattices.</p>	5
JULY	<p>Recurrence Relations: Definition of recurrence relations, Formulating recurrence relations, solving recurrence relations- Back tracking method, Linear homogeneous recurrence relations with constant coefficients. Solving linear homogeneous recurrence relations with constant coefficients of degree two when characteristic equation has distinct roots and only one root, Particular solutions of non linear homogeneous recurrence relation, Solution of recurrence relation by the method of</p>	15



	generation functions, Applications- Formulate and solve recurrence relation for Fibonacci numbers, Tower of Hanoi, Intersection of lines in a plane, Sorting Algorithms.	
AUGUST	<p>a) Permutations and Combinations: Partition and Distribution of objects, Permutation with distinct and indistinct objects, Binomial numbers, Combination with identities: Pascal Identity, Vandermonde's Identity, Pascal triangle, Binomial theorem, Combination with indistinct objects.</p> <p>b) Counting Principles: Sum and Product, Two-way counting, Tree diagram for solving counting problems, Pigeonhole Principle (without proof); Simple examples, inclusion Exclusion Principle (Sieve formula) (Without proof).</p> <p>c) Languages, Grammars and Machines: Languages, regular Expression and Regular languages, Finite state Automata, grammars, finite state machines, Godel numbers, Turing machines.</p>	15
SEPTEMBER	<p>a) Graphs : Definition and elementary results, Adjacency matrix, path matrix, Representing relations using diagraphs, Warshall's algorithm-shortest path, Linked representation of a graph, Operations on graph with algorithms – searching in a graph; Insertion in a graph, Deleting from a graph, Traversing a graph-Breadth-First search and Depth-First search.</p> <p>b) Trees: Definition and elementary results. Ordered rooted tree, Binary trees, Complete and extended binary trees, representing binary trees in memory, traversing binary trees, binary search tree, Algorithms for searching and inserting in binary search trees, Algorithms for deleting in a binary search tree.</p>	10

TEACHING PLAN

Academic Year : **2019 - 2020**

Subject : USCS306 IoT

Class : **SYBSc Computer Science**

Division : A

Name of Faculty : **Professor Palsania Muzaffar**

Months	Topics to be covered	Assigned Lecture	Lectures Undertaken
July	<p>System on Chip: What is System on chip? Structure of System on Chip.</p> <p>SoC products: FPGA, GPU, APU, Compute Units.</p> <p>ARM 8 Architecture: SoC on ARM 8. ARM 8 Architecture Introduction.</p> <p>Introduction to Raspberry Pi: Introduction to Raspberry Pi, Raspberry Pi Hardware, Preparing your raspberry Pi.</p> <p>Raspberry Pi Boot: Learn how this small SoC boots without BIOS. Configuring boot sequences and hardware</p>	14	
August	<p>Raspberry Pi and Linux: About Raspbian, Linux Commands, Configuring Raspberry Pi with Linux Commands</p> <p>Programing interfaces: Introduction to Node.js, Python.</p> <p>Raspberry Pi Interfaces: UART, GPIO, I2C,</p> <p>SPI Useful Implementations: Cross Compilation, Pulse Width Modulation, SPI for Camera.</p> <p>Introduction to IoT: What is IoT? IoT examples, Simple IoT LED Program. IoT and Protocols</p>	14	



	IoT Security: HTTP, UPnp, CoAP, MQTT, XMPP.		
September	IoT Service as a Platform: Clayster, Thinger.io, SenseIoT, carriers and Node RED. IoT Security and Interoperability: Risks, Modes of Attacks, Tools for Security and Interoperability	06	

Teaching Plan

Academic Year : 2019 - 2020

Subject : **USCS 303 OPERATING SYSTEM**

Class : **SYBSC-CS**

Division : A

Name of Faculty : **Professor Shaikh Sameer**

Months	Topics to be covered	Assigned Lecture
JUNE	Introduction and Operating-Systems Structure, Processes.	10
JULY	Threads, Process Synchronization, CPU Scheduling, Deadlocks, Main Memory, Virtual Memory, Mass storage Structure.	20
AUGUST	File Concept, Access Methods, Directory and Disk Structure, File-System Mounting, File Sharing.	20
SEPTEMBER	File System Interface, File system implementation.	10

TEACHING PLAN

Academic Year : 2019 - 2020

Subject : **COMBINATORICS AND GRAPH THEORY**

Semester - III

Class : **SYBSc Computer Science**

Name of Faculty : **Dr.Pankaj shrivastava**

Months	Topics to be covered	Assigned Lecture
JUNE	Introduction to Combinatorics : Enumeration, Combinatorics and Graph Theory / Number Theory / Geometry and Optimization, Sudoku Puzzles. Strings, Sets, and Binomial Coefficients: Strings- A First Look, Combinations, Combinatorial, The Ubiquitous Nature of Binomial Coefficients, The Binomial, Multinomial Coefficients.	7
JULY	Induction: Introduction, The Positive Integers are Well Ordered, The Meaning of Statements, Binomial Coefficients Revisited, Solving Combinatorial Problems Recursively, Mathematical Induction, and Inductive Definitions Proofs by Induction. Strong Induction Graph Theory : Basic Notation and Terminology, Multigraphs: Loops	15



	and Multiple Edges, Eulerian and Hamiltonian Graphs, Graph Coloring, Planar Counting, Labeled Trees, A Digression into Complexity Theory.	
AUGUST	Applying Probability to Combinatorics, Small Ramsey Numbers, Estimating Ramsey Numbers, Applying Probability to Ramsey Theory, Ramsey's Theorem The Probabilistic Method. Network Flows: Basic Notation and Terminology, Flows and Cuts, Augmenting Paths, The Ford-Fulkerson Labeling Algorithm.	15
SEPTEMBER	A Concrete Example, Integer Solutions of Linear Programming Problems. Combinatorial Applications of Network Flows: Introduction, Matching in Bipartite Graphs, Chain partitioning, Polya's Enumeration Theorem: Coloring the Vertices of a Square.	8

TEACHING PLAN

Academic Year : 2019 - 2020

Subject : **USCS302 Core Java**

Class : **SYBSc Computer Science Sem III**

Division : A

Name of Faculty : **Professor Arif Patel**

Months	Topics to be covered	Assigned Lecture
JUNE	The Java Language: Features of Java, Java programming format. The Java Language: Java Tokens, Java Statements, Java Data Types, Typecasting, Arrays.	9
JULY	OOPS: Introduction, class, object, static keywords, constructors, this keyword, inheritance, super keyword, polymorphism (overloading and overriding), abstraction, encapsulation, abstract classes, interfaces. String Manipulations: String, StringBuffer, StringTokenizer. Packages: Introduction to predefined packages (java.lang, java.util, java.io, java.sql, java.swing), user defined packages, access specifiers. Exception Handling: Introduction, pre-defined exceptions, try-catch-finally, throws, throw, user defined exception examples. Multithreading: Thread creations, thread life cycle, life cycle methods, synchronization, wait(), notify(), notify all() methods.	12
AUGUST	I/O Streams: Introduction, byte-oriented streams, character-oriented streams, File, random access file, serialization. Networking: Introduction, Socket, ServerSocket, client-server communication. Wrapper Classes: Introduction, Byte, Short, Integer, Long, Float, Double, Character, Boolean classes. Collection Framework: Introduction, util-package interfaces, List, Set, Map, List interface & its classes, Set interface & its classes, Map interface & its classes. Inner Classes: Introduction, member inner class, static inner class, local inner class, anonymous inner class.	12
SEPTEMBER	AWT: Introduction, Component, event-delegation-model, listeners, layouts. Individual components: Label, Button, CheckBox, Radio Button, Choice, List, Menu, TextField, TextArea.	6



Teaching Plan

Academic Year : 2019 - 2020

Subject : **USCS301 ToC**

Class : **SYBSc Computer Science**

Division : A

Name of Faculty : **Professor Javed Pathan**

Months	Topics to be covered	Assigned Lecture
JUNE	Automata Theory: Defining Automaton, Finite Automaton, Transitions and Its properties, Acceptability by Finite Automaton, Nondeterministic Finite State Machines, DFA and NDFA equivalence, Mealy and Moore Machines, Minimizing Automata. Formal Languages: Defining Grammar, Derivations, Languages generated by Grammar, Chomsky Classification of Grammar and Languages,	10
JULY	Recursive Enumerable Sets, Operations on Languages, Languages and Automata Regular Sets and Regular Grammar: Regular Grammar, Regular Expressions, Finite automata and Regular Expressions, Pumping Lemma and its Applications, Closure Properties, Regular Sets and Regular Grammar Context Free Languages: Context-free Languages, Derivation Tree, Ambiguity of Grammar, CFG simplification, Normal Forms, Pumping Lemma for CFG	14
AUGUST	Pushdown Automata: Definitions, Acceptance by PDA, PDA and CFG Linear Bound Automata: The Linear Bound Automata Model, Linear Bound Automata and Languages.	12
SEPTEMBER	Turing Machines: Turing Machine Definition, Representations, Acceptability by Turing Machines, Designing and Description of Turing Machines, Turing Machine Construction, Variants of Turing Machine, Undecidability: The Church-Turing thesis, Universal Turing Machine, Halting Problem, Introduction to Unsolvable Problems	10

Teaching Plan

Academic Year : 2019 - 2020

Subject : **USCS307 Web Programming**

Class : **SYBSc Computer Science**

Division : A

Name of Faculty : **Professor Javed Pathan**

Months	Topics to be covered	Assigned Lecture
JUNE	HTML5: Fundamental Elements of HTML, Formatting Text in HTML, Organizing Text in HTML, Links and URLs in HTML, Tables in HTML, Images on a Web Page, Image Formats, Image Maps, Colors, FORMs in HTML, Interactive Elements, Working with Multimedia - Audio and Video File Formats, HTML elements for inserting Audio / Video on a web page	11



JULY	<p>CSS: Understanding the Syntax of CSS, CSS Selectors, Inserting CSS in an HTML Document, CSS properties to work with background of a Page, CSS properties to work with Fonts and Text Styles, CSS properties for positioning an element</p> <p>JavaScript: Using JavaScript in an HTML Document, Programming Fundamentals of JavaScript – Variables, Operators, Control Flow Statements, Popup Boxes, Functions – Defining and Invoking a Function, Defining Function arguments, Defining a Return Statement, Calling Functions with Timer,</p>	13
AUGUST	<p>JavaScript Objects - String, RegExp, Math, Date, Browser Objects - Window, Navigator, History, Location, Document, Cookies, Document Object Model, Form Validation using JavaScript</p> <p>XML: Comparing XML with HTML, Advantages and Disadvantages of XML, Structure of an XML Document, XML Entity References, DTD, XSLT: XSLT Elements and Attributes - xsl:template, xsl:apply-templates, xsl:import, xsl:call-template, xsl:include, xsl:element, xsl:attribute, e xsl:attribute-set, xsl:value-of</p>	11
SEPTEMBER	<p>AJAX: AJAX Web Application Model, How AJAX Works, XMLHttpRequest Object – Properties and Methods, Handling asynchronous requests using AJAX</p> <p>PHP: Variables and Operators, Program Flow, Arrays, Working with Files and Directories, Working with Databases, Working with Cookies, Sessions and Headers</p> <p>Introduction to jQuery: Fundamentals, Selectors, methods to access HTML attributes, methods for traversing, manipulators, events, effects</p>	08

TEACHING PLAN

Academic Year : **2019 - 2020**

Subject : USCS505 AIoT

Class : **TYBSc Computer Science**

Division : A

Name of Faculty : **Professor Palsania Muzaffar**

Months	Topics to be covered	Assigned Lecture
JULY	<p>IoT-An Architectural Overview: Building architecture, Main design principles and needed capabilities, An IoT architecture outline, standards considerations</p>	14
AUGUST	<p>IoT Architecture-State of the Art : Introduction, State of the art, Reference Model and architecture, IoT reference Model - IoT Reference Architecture Introduction, Functional View Information View, Deployment and Operational View, Other Relevant architectural views</p> <p>IoT Data Link Layer and Network Layer Protocols: PHY/MAC Layer(3GPP MTC, IEEE 802.11, IEEE 802.15), Wireless HART,Z-Wave, Bluetooth Low Energy, Zigbee Smart Energy DASH7 Network Layer:IPv4, IPv6, 6LoWPAN, 6TiSCH,ND, DHCP, ICMP, RPL, CORPL, CARP</p>	12
SEPTEMBER	<p>Transport layer protocols : Transport Layer (TCP, MPTCP, UDP, DCCP, SCTP)-(TLS, DTLS)</p> <p>Session layer: Session Layer-HTTP, CoAP, XMPP, AMQP, MQTT</p> <p>Service layer protocols: Service Layer -oneM2M, ETSI M2M, OMA, BBF</p>	15



TEACHING PLAN

Academic Year : 2019 - 2020

Subject : USCS507 Game Programming

Class : TYBSc CS

Division : A

Name of Faculty : **Professor Rafat Khan**

Months	Topics to be covered	Assigned Lecture
JUNE	<p>Cartesian Coordinate system: The Cartesian XY-plane, Function Graphs, Geometric Shapes, Polygonal Shapes, Areas of Shapes, Theorem of Pythagoras in 2D, Coordinates, Theorem of Pythagoras in 3D, 3D Polygons, Euler's Rule</p> <p>Vectors: Vector Manipulation, multiplying a Vector by a Scalar, Vector Addition and Subtraction, Position Vectors, Unit Vectors, Cartesian Vectors, Vector Multiplication, Scalar Product, Example of the Dot Product, The Dot Product in Lighting Calculations, The Dot Product in Back-Face Detection, The Vector Product, The Right-Hand Rule, deriving a Unit Normal Vector for a Triangle Areas, Calculating 2D Areas</p>	10
JULY	<p>Transformations: 2D Transformations, Matrices, Homogeneous Coordinates, 3D Transformations, Change of Axes, Direction Cosines, rotating a Point about an Arbitrary Axis, Transforming Vectors, Determinants, Perspective Projection, Interpolation</p> <p>DirectX: Understanding GPU and GPU architectures. How they are different from CPU Architectures? Understanding how to solve by GPU?</p> <p>DirectX Pipeline and Programming: Introduction To DirectX 11: COM, Textures and Resources Formats, The swap chain and Page flipping, Depth Buffering, Texture Resource Views, Multisampling Theory and MS in Direct3D, Feature Levels</p> <p>Direct3D 11 Rendering Pipeline: Overview, Input Assembler Stage (IA), Vertex Shader Stage (VS), The Tessellation Stage (TS), Geometry Shader Stage (GS), Pixel Shader Stage (PS), Output merger Stage (OM)</p> <p>Understanding Meshes or Objects, Texturing, Lighting, Blending.</p>	12
AUGUST	<p>Interpolation and Character Animation:</p> <p>Trigonometry: The Trigonometric Ratios, Inverse Trigonometric Ratios, Trigonometric Relationships, The Sine Rule, The Cosine Rule, Compound Angles, Perimeter Relationships</p> <p>Interpolation: Linear Interpolant, Non-Linear Interpolation, Trigonometric Interpolation, Cubic Interpolation, Interpolating Vectors, Interpolating Quaternions</p> <p>Curves: Circle, Bezier, B-Splines</p> <p>Analytic Geometry: Review of Geometry, 2D Analytic Geometry, Intersection Points, Point in Triangle, and Intersection of circle with straight line.</p> <p>Introduction to Rendering Engines: Understanding the current market Rendering Engines. Understanding AR, VR and MR. Depth Mappers, Mobile Phones, Smart Glasses, HMD's</p>	12
SEPTEMBER	<p>Unity Engine: Multi-platform publishing, VR + AR: Introduction and working in Unity, 2D, Graphics, Physics, Scripting, Animation, Timeline, Multiplayer and Networking, UI, Navigation and Pathfinding, XR, Publishing.</p> <p>Scripting: Scripting Overview, Scripting Tools and Event Overview</p> <p>XR: VR, AR, MR, Conceptual Differences. SDK, Devices</p>	11



TEACHING PLAN

Academic Year : 2019 – 2020

Subject :USCS504INS

Class : TYB.Sc CS

Division : A

Name of Faculty : **ZAIDI ZARI HAIDER**

Months	Topics to be covered	Assigned Lecture
JUNE	<ul style="list-style-type: none">▪ Introduction: Security Trends, The OSI Security Architecture, Security Attacks, Security Services, Security Mechanisms▪ Classical Encryption Techniques: Symmetric Cipher Model, Substitution Techniques, Transposition Techniques, Steganography, Block Cipher Principles,	8
JULY	<ul style="list-style-type: none">▪ The Data Encryption Standard, The Strength of DES,▪ AES (round details not expected), Multiple Encryption and Triple DES, Block Cipher Modes of Operation, Stream Ciphers▪ Public-Key Cryptography and RSA: Principles of Public-Key Cryptosystems, The RSA Algorithm▪ Key Management: Public-Key Cryptosystems, Key Management, Diffie-Hellman Key Exchange▪	15
AUGUST	<ul style="list-style-type: none">▪ Message Authentication and Hash Functions: Authentication Requirements, Authentication Functions, Message Authentication Codes, Hash Functions, Security of Hash Functions and Macs, Secure Hash Algorithm, HMAC▪ Digital Signatures and Authentication: Digital Signatures, Authentication Protocols, Digital Signature▪ Standard Authentication Applications: Kerberos, X.509 Authentication, Public-Key Infrastructure	15
SEPTEMBER	<ul style="list-style-type: none">▪ Electronic Mail Security: Pretty Good Privacy, S/MIME▪ IP Security: Overview, Architecture, Authentication Header, Encapsulating Security Payload, Combining Security Associations, Key Management▪ Web Security: Web Security Considerations, Secure Socket Layer and Transport Layer Security, Secure Electronic Transaction▪ Intrusion: Intruders, Intrusion Techniques, Intrusion Detection▪ Malicious Software: Viruses and Related Threats, Virus Countermeasures, DDOS▪ Firewalls: Firewall Design Principles, Types of Firewalls	15

TEACHING PLAN

Academic Year : 2019 - 2020

Subject : USCS501 Artificial Intelligence

Class : TYBSc Computer Science Sem V

Division : A

Name of Faculty : **Professor Arif Patel**



Months	Topics to be covered	Assigned Lecture
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JUNE	What Is AI: Foundations, History and State of the Art of AI. Intelligent Agents: Agents and Environments, Nature of Environments, Structure of Agents.	9
JULY	Problem Solving by searching: Problem-Solving Agents, Example Problems, Searching for Solutions, Uninformed Search Strategies, Informed (Heuristic) Search Strategies, Heuristic Functions. Problem Solving by searching: Informed (Heuristic) Search Strategies, Heuristic Functions. Learning from Examples: Forms of Learning, Supervised Learning, Learning Decision Trees, Evaluating and Choosing the Best Hypothesis, Theory of Learning.	12
AUGUST	Regression and Classification with Linear Models, Artificial Neural Networks, Nonparametric Models. Learning from Examples: Support Vector Machines, Ensemble Learning, Practical Machine Learning. Learning probabilistic models: Statistical Learning, learning with Complete Data, Learning with Hidden Variables: The EM Algorithm.	12
SEPTEMBER	Reinforcement learning: Passive Reinforcement Learning, Active Reinforcement Learning, Generalization in Reinforcement Learning, Policy Search, Applications of Reinforcement Learning.	9

TEACHING PLAN		
Academic Year : 2018 - 2019		
Subject : USCS502 Linux Server Administration		
Class : TYBSc Computer Science		Division : A
Name of Faculty : Dr. Ruchi Gupta		
Months	Topics to be covered	Assigned Lecture
JUNE	Introduction: Technical Summary of Linux Distributions, Managing Software	3
JULY	Single-Host Administration: Managing Users and Groups, Booting and shutting down processes, File Systems, Core System Services, Process of configuring, compiling, Linux Kernel Networking and Security: TCP/IP for System Administrators, basic network Configuration, Linux Firewall (Net filter), and System and network security. Domain Name System (DNS), File Transfer Protocol (FTP), Apache web server, Simple Mail Transfer Protocol (SMTP), Post Office Protocol and Internet Mail, Access Protocol (POP and IMAP),	20
AUGUST	Secure Shell (SSH), Network Authentication, Open LDAP Server, Samba and LDAP, Network authentication system, (Kerberos), Domain Name Service (DNS), Security, Network File System (NFS), Samba, Distributed File Systems (DFS), Network Information Service (NIS), Lightweight Directory Access Protocol (LDAP), Dynamic Host Configuration Protocol (DHCP),	16
SEPTEMBER	MySQL, LAMP Applications, File Servers, Email Services, Chat Applications, Virtual Private Networking.	6

Rizvi Education Society's
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Bandra (W), Mumbai – 400 050		
	TEACHING PLAN	
	Academic Year : 2018 - 2019	
Subject : USCS304 Database Management system		
Class : SY BSc Computer Science		Division : A
Name of Faculty : Dr. Ruchi Gupta		
Months	Topics to be covered	Assigned Lecture
JUNE	Stored Procedures: Types and benefits of stored procedures, creating stored procedures, executing stored procedures, altering stored procedures, viewing stored procedures. Triggers: Concept of triggers, implementing triggers – creating triggers, Insert, delete, and update triggers, nested triggers, viewing, deleting and modifying triggers, and enforcing data integrity through triggers.	3
JULY	Sequences: creating sequences, referencing, altering and dropping a sequence. File Organization and Indexing: Cluster, Primary and secondary indexing, Index data structure: hash and Tree based indexing, Comparison of file Organization: cost model, Heap files, sorted files, clustered files. Creating, dropping and maintaining indexes. Fundamentals of PL/SQL: Defining variables and constants, PL/SQL expressions and comparisons: Logical Operators, Boolean Expressions, CASE Expressions Handling, Null Values in Comparisons and Conditional Statements, PL/SQL Data types: Number Types, Character Types, Boolean Type, Date time and Interval Types.	20
AUGUST	Overview of PL/SQL Control Structures: Conditional Control: IF and CASE Statements, IF-THEN Statement, IF-THEN-ELSE Statement, IFTHEN-ELSIF Statement, CASE Statement, Iterative Control: LOOP and EXIT Statements, WHILE-LOOP, FOR-LOOP, Sequential Control: GOTO and NULL Statements Transaction Management: ACID Properties, Serializability, Two-phase Commit Protocol, Concurrency Control, Lock Management, Lost Update Problem, Inconsistent Read Problem, Read-Write Locks, Deadlocks Handling, Two Phase Locking protocol.	16
SEPTEMBER	DCL Statements: Defining a transaction, Making Changes Permanent with COMMIT, Undoing Changes with ROLLBACK, Undoing Partial Changes with SAVEPOINT and ROLLBACK Crash Recovery: ARIES algorithm. The log based recovery, recovery related Structures like transaction and dirty page table, Write-ahead log protocol, check points, recovery from a system crash, Redo and Undo phases.	6

Teaching Plan

(Academic Year 2019 - 20)

Semester: I

Class: FYBMM

Subject/Paper Name: Current Affairs

Month	Topics to be covered
June	
July	Current National Stories
August	Current National Stories; Policy and Governance
September	International Affairs; Maharashtra Issues
October	Maharashtra Issues, Technology

Teaching Plan

(Academic Year 2019 - 20)

Semester: I

Class: FYBMM



Subject/Paper Name: EFFECTIVE COMMUNICATION SKILLS – I

Month	Topics to be covered
June	
July	
August	The Concept of Communication; Types of Communication; Oral Communication and Media
September	Listening Skills; Types of Reading; Various aspects of Language: Grammar; Thinking Skills
October	Translation

**Teaching Plan
(Academic Year 2019 - 20)**

Semester: I

Class: FYBMM

Subject/Paper Name:

Month	Topics to be covered
June	
July	Overview of Indian Society
August	Overview of Indian Society, Concept of Disparity-1,
September	Concept of Disparity-II
October	

**Teaching Plan
(Academic Year 2019 - 20)**

Semester: I

Class: FYBMM

Subject/Paper Name: FUNDAMENTALS OF MASS COMMUNICATION

Month	Topics to be covered
June	
July	
August	Concept of Mass Communication; Forms of Mass Communication; Models of Communication
September	History of Mass Communication; Major Forms of Mass Media, Impact of Mass Media on Society
October	Impact of Mass Media on Society (Continues); The New Media

**Teaching Plan
(Academic Year 2019 - 20)**

Semester: I

Class: FYBMM

Subject/Paper Name: History of Media

Month	Topics to be covered
June	
July	
August	Introduction, Introduction to newspaper, Composition, Press Act, History
September	Documentaries, and types, Media Icons and documentary makers
October	Films, Paper revision

Teaching Plan



(Academic Year 2019 - 20)

Semester: I

Class: FYBMM

Subject/Paper Name: Visual Communication

Month	Topics to be covered
June	
July	Introduction to Visual Communication
August	Why, Types, Uses, Benefits, History, Calligraphy development
September	Theories, Internal Project
October	Tool of UC and Ethics

Teaching Plan

(Academic Year 2019 - 20)

Semester: III

Class: SYBMM

Subject/Paper Name: Advanced Computers

Month	Topics to be covered
June	
July	
August	Introduction, N/W, S/W, H/W, Marketing, HTML codes and Tags
September	HTML, CSS coding, Java,
October	Audition, flash, premier pro, dreamweaver

Teaching Plan

(Academic Year 2019 - 20)

Semester: III

Class: SYBMM

Subject/Paper Name: INTRODUCTION TO CREATIVE WRITING

Month	Topics to be covered
June	
July	
August	Introduction to Creative Writing; Formal Elements of Short Story
September	Formal Aspects of Drama; Scriptwriting & Screenplay; Formal Aspects of Poetry
October	Formal Aspects of Poetry (Continues); Aspects of Publication; Writing for the Internet

Teaching Plan

(Academic Year 2019 - 20)

Semester: III

Class: SYBMM

Subject/Paper Name: INTRODUCTION TO CULTURAL STUDIES

Month	Topics to be covered
June	
July	
August	Introduction to Cultural studies; Construction of Culture
September	Globalization and Cultural studies
October	Globalization and Cultural studies (Continues); Cultural Expressions and Media

Teaching Plan



(Academic Year 2019 - 20)

Semester: III

Class: SYBMM

Subject/Paper Name: Introduction to Media Studies

Month	Topics to be covered
June	
July	
August	Introduction, Theories, Media Evolution, Globalization, Commercial impact, feminism, media power and culture, Constituents of Media
September	Technology, Consumerism and Intellectual Property, Digital Media and Consumerism
October	Digital Media and Consumerism, Revision

Teaching Plan

(Academic Year 2019 - 20)

Semester: III

Class: SYBMM

Subject/Paper Name: Introduction to Public Relations

Month	Topics to be covered
June	
July	Introduction to PR
August	Introduction, Evolution, Propaganda, Publicity
September	PR and Marketing, Branding, Objectives, Internal External PR, Corporate Image Management, Digital PR, Crisis Communication, Social Responsibility
October	PR Tools, PR Campaign, Ethics

Teaching Plan

(Academic Year 2019 - 20)

Semester: III

Class: SYBMM

Subject/Paper Name: Understanding Cinema

Month	Topics to be covered
June	
July	Introduction, Hindi film history, pulp fiction, editing, screening, music and films
August	Social issues, theories, story narration, short film project, film viewing
September	Film marketing, trailer viewing, art and commercial film, film viewing
October	

Teaching Plan

(Academic Year 2019 - 20)

Semester: V

Class: TYBMM: Advertising

Subject/Paper Name: Advertising Design (Practical Paper)

Month	Topics to be covered
June	
July	Introduction to Agency departments, design principles, design elements, typography and word expression, colour theory application to ad design principles
August	Campaign-Practical
September	Campaign
October	Campaign, VIVA



Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: TYBMM:Advertising

Subject/Paper Name: Advertising in Contemporary Society

Month	Topics to be covered
June	
July	
August	Benefits and drawbacks, senior citizens and pop culture, current global trends,
September	Social institutions, case study table
October	Social marketing, packaging branding copy

Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: TYBMM-Advertising

Subject/Paper Name:

Month	Topics to be covered
June	
July	Brand
August	Brand, Brand Identity, Brand Positioning
September	Brand Leverages, Branding Strategies
October	Brand Repositioning, Brand Equity, Brand Building Imperative

Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: TYBMM-Advertising

Subject/Paper Name: Consumer Behavior

Month	Topics to be covered
June	
July	Introduction
August	Introduction, Individual Determinants,
September	Environmental Determinants
October	Consumer Decision Making Models

Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: TYBMM:Advertising

Subject/Paper Name: Copywriting

Month	Topics to be covered
June	
July	Basics of Copywriting, responsibilities, left brain right brain thinking
August	Idea generation techniques, creative and marketing briefs, trans creativity, CAN elements, target audience types
September	Television story board, TV/AD copywriting
October	



Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: TYBMM:Advertising

Subject/Paper Name: Media Planning and Buying

Month	Topics to be covered
June	
July	Introduction
August	Media planning process, scheduling and advertising budget, communication mix, IMC and broadcast, advertising news paper, magazines, cinema, video, internet
September	OOH, Media Buying, DM Sales promotion, outdoor, innovative marketing.
October	Public relations and media negotiations, Numericals

Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: TYBMM: Journalism

Subject/Paper Name: Editing

Month	Topics to be covered
June	
July	
August	Writing Styles, broadsheet, tabloid, copy editing, news story, editing elements
September	Editing elements
October	Understanding news headlines, teasers and editorials

Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: TYBMM - JOURNALISM

Subject/Paper Name: FEATURES AND OPINION

Month	Topics to be covered
June	
July	
August	News: Hard and Soft News; Features; Different types of Features & Feature Writing; Interviews
September	Writing Obituary; Column; Editorial
October	Writing Reviews; Snippets; Column

Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: TYBMM: Journalism

Subject/Paper Name: Indian Regional Journalism

Month	Topics to be covered
June	
July	
August	Introduction, on record, regional journalism, regional media, news story, story telling,
September	Telugu journalism, KP Keshav Menon, English versus regional journalism, hindi urdu papers
October	Vinod Dua, POLL, Propaganda, History of TV and Politics

Teaching Plan



(Academic Year 2019 - 20)

Semester: V

Class: TYBMM: Journalism

Subject/Paper Name: Journalism and Public Opinion

Month	Topics to be covered
June	
July	
August	Analyzing newspaper and news, Public opinion, history, opinion quotes, media, how to gauge public opinion, formal and informal, survey types, questionnaires
September	Media and elections
October	Media shaping, opinion

Teaching Plan

(Academic Year 2019 - 20)

Semester: V

Class: TYBMM: Journalism

Subject/Paper Name: Newspaper and Magazine Making (Practical Paper)

Month	Topics to be covered
June	
July	Introduction, Concept of market design, work for methodologies
August	Quark Express, Broadsheet
September	Tabloid and Magazine techniques
October	Viva

Teaching Plan

(Academic Year 2019 - 20)

Semester: V

Class: TYBMM: Journalism

Subject/Paper Name: Reporting

Month	Topics to be covered
June	
July	
August	What is News, elements, news exercise, inverted pyramid
September	Attribution roots, investigative journalism, citizen journalism
October	Yellow journalism

Teaching Plan

(Academic Year 2019 - 20)

Semester: II

Class: FYBSc. Computer Science

Subject/Paper Name: C Programming

Month	Topics to be covered
November	Structure of C program.
December	Data. Variables. Types of operators. Iterations.
January	Arrays. Data Input and Output functions. Manipulating Strings.



	Recursion.
February	Pointer. Dynamic Memory Allocation. Unions. File handling.
March	Revision

Teaching Plan

(Academic Year 2019 - 20)

Semester: II

Class: FYBSc – Information Technology

Subject/Paper Name: Object Oriented Programming (C++)

Month	Topics to be covered
November	Object Oriented Methodology. Principles of OOPS.
December	Classes and Objects. Constructors and Destructors.
January	Polymorphism. Virtual Functions. Program development using Inheritance.
February	Exception Handling. Templates. Working with Files.
March	Revision

Teaching Plan

(Academic Year 2019 - 20)

Semester: IV

Class: SYBSc – Information Technology

Subject/Paper Name: Core Java

Month	Topics to be covered
November	Introduction. Data types.
December	Control Flow Statements. Iterations. Classes. Inheritance.
January	Packages. Enumerations, Arrays. Exceptions. Multithreading.
February	Byte streams. Event Handling. Abstract Window Toolkit. Layouts.
March	Revision

Teaching Plan

(Academic Year 2019 - 20)

Semester: III

Class: SYBSc COMPUTER SCIENCE

Subject/Paper Name: CORE JAVA



Month	Topics to be covered
June	The Java Language: Features of Java, Java programming format. The Java Language: Java Tokens, Java Statements, Java Data Types, Typecasting, Arrays.
July	OOPS: Introduction, class, object, static keywords, constructors, this keyword, inheritance, super keyword, polymorphism (overloading and overriding), abstraction, encapsulation, abstract classes, interfaces. String Manipulations: String, StringBuffer, StringTokenizer. Packages: Introduction to predefined packages (java.lang, java.util, java.io, java.sql, java.swing), user defined packages, access specifiers. Exception Handling: Introduction, pre-defined exceptions, try-catch-finally, throws, throw, user defined exception examples. Multithreading: Thread creations, thread life cycle, life cycle methods, synchronization, wait(), notify(), notify all() methods.
August	I/O Streams: Introduction, byte-oriented streams, character-oriented streams, File, random access file, serialization. Networking: Introduction, Socket, ServerSocket, client-server communication. Wrapper Classes: Introduction, Byte, Short, Integer, Long, Float, Double, Character, Boolean classes. Collection Framework: Introduction, util-package interfaces, List, Set, Map, List interface & its classes, Set interface & its classes, Map interface & its classes. Inner Classes: Introduction, member inner class, static inner class, local inner class, anonymous inner class.
September	AWT: Introduction, Component, event-delegation-model, listeners, layouts. Individual components: Label, Button, CheckBox, Radio Button, Choice, List, Menu, TextField, TextArea.
October	Revision

Teaching Plan

(Academic Year 2019 - 20)

Semester: III

Class: SYBSc INFORMATION TECHNOLOGY

Subject/Paper Name: PYTHON PROGRAMMING

Month	Topics to be covered
June	Introduction: The Python Programming Language Variables and Expressions Values and Types, Variables, Variable Names and Keywords, Conditional Statements: if, if-else, nested if-else. Looping: for, while, nested loops Control statements: Terminating loops, skipping specific conditions.
July	Functions: Strings: Lists: Tuples and Dictionaries:
August	Files: Text Files, The File Object Attributes, Directories Exceptions: Built-in Exceptions, Handling Exceptions, Exception 12 5 with Arguments, User-defined Exceptions Regular Expressions Classes and Objects: Overview of OOP (Object Oriented Programming), Class Definition, Multithreaded Programming: Modules: Creating the GUI Form and Adding Widgets:
September	Layout Management: Look and Feel Customization: Storing Data in Our MySQL Database GUI.
October	Revision

Teaching Plan

(Academic Year 2019 - 20)

Semester: V

Class: TYBSc Computer Science



Subject/Paper Name: ARTIFICIAL INTELLIGENCE

Month	Topics to be covered
June	What Is AI: Foundations, History and State of the Art of AI. Intelligent Agents: Agents and Environments, Nature of Environments, Structure of Agents.
July	Problem Solving by searching: Problem-Solving Agents, Example Problems, Searching for Solutions, Uninformed Search Strategies, Informed (Heuristic) Search Strategies, Heuristic Functions. Problem Solving by searching: Informed (Heuristic) Search Strategies, Heuristic Functions. Learning from Examples: Forms of Learning, Supervised Learning, Learning Decision Trees, Evaluating and Choosing the Best Hypothesis, Theory of Learning.
August	Regression and Classification with Linear Models, Artificial Neural Networks, Nonparametric Models. Learning from Examples: Support Vector Machines, Ensemble Learning, Practical Machine Learning. Learning probabilistic models: Statistical Learning, learning with Complete Data, Learning with Hidden Variables: The EM Algorithm.
September	Reinforcement learning: Passive Reinforcement Learning, Active Reinforcement Learning, Generalization in Reinforcement Learning, Policy Search, Applications of Reinforcement Learning.



**DEPARTMENT OF FOUNDATION COURSE
TEACHING PLAN FOR 2019-2020**

Syed Shadab:

SEM I

Month

June

July

August

September

October

F.Y.B.Com PAPER- I Div A,B,C

UNIT I- Over view of Indian society

UNIT II- Concept of disparity

UNIT III- Concept of disparity

UNIT IV-The Constitution of India

UNIT V-Political System in India

SEM II

Month

November

December

January

February

F.Y.B.Com- Paper II

UNIT I- Globalization and Indian society

UNITII- Human rights UNIT III- Ecology

UNIT IV- Understanding stress and conflict

UNIT V- Managing stress and conflict in
contemporary society

SEM III

Month

June

July

August

September

S.Y.B.Com Paper- III Div A,B,C

UNIT I- Human rights violations and
redressal

UNIT II- Dealing with environmental
concerns

UNIT III- Science and technology

UNIT IV- Soft skills for effective
interpersonal communication

SEM IV

Month

November

December

January

February

S.Y.B.Com Paper- IV

UNIT I- Significant rights of citizens

UNIT II- Ecology: Approaches, Ethics
& Issues

UNIT III- Science & Technology:
Significant modern technologies

UNIT IV- Introduction to competitive
exams-Softskills required for
competitive exams



**Teaching Plan
(Academic Year 2019 - 20)**

Semester: V

Class: TYBBI

Subject/Paper Name: Strategic Management

Month	Topics to be covered
June	-----
July	Module I: Strategic Management: An Overview
August	Module II: Environment of Strategic Management Module III: Levels of Strategic Management
September	Module III: Levels of Strategic Management Module IV: Activating Strategy and Implementation
October	Module IV: Activating Strategy and Implementation Module V: Strategic Evaluation and Control Revision: I, II, III, IV

Semester: VI

Class: TYBBI

Subject/Paper Name: Marketing in Banking and Insurance

Month	Topics to be covered
November	Module I-Introduction to Marketing
December	Module I-Introduction to Marketing Module II-Introduction to Service Marketing
January	Module II-Introduction to Service Marketing Module III Consumer Behaviour
February	Module III Consumer Behaviour Module IV: Rural Marketing
March	Module IV: Rural Marketing Module V: E-Marketing
April	Revision: Module I,II,III,IV, V

**Teaching Plan
(Academic Year 2019 - 20)**

Semester: III

Class: SYBMS-HR

Subject/Paper Name: Recruitment And Selection

Month	Topics to be covered
June	-----
July	Module I: Recruitment
August	Module I: Recruitment Module II: Selection
September	Module III: Induction Module IV: Soft Skills
October	Module IV: Soft Skills Revision: I, II, III, IV

Semester: III

Class: SYBMS (A, B & C)

Subject/Paper Name: Business Research Methods

Month	Topics to be covered
November	Module I: Introduction to Business Research Methods
December	Module I: Introduction to Business Research Methods Module II: Data Collection and Processing
January	Module II: Data Collection and Processing
February	Module III: Data Analysis and Interpretation
March	Module IV: Advanced techniques in Report Writing
April	Revision: Module I, II, III, IV



Teaching Plan
(Academic Year 2019 - 20)

Semester: I
Class: FYBAF

Subject/Paper Name: Business Communication I

Month	Topics to be covered
June	-----
July	Module I: Theory of Communication
August	Module I: Theory of Communication Module II: Obstacles to Communication in Business World
September	Module III: Business Correspondence
October	Module IV: Language and Writing Skills Revision (Module I, II, III, IV)

Semester: II
Class: FYBAF

Subject/Paper Name: Business Communication II

Month	Topics to be covered
November	Module I: Presentation Skills
December	Module I: Presentation Skills Module II: Group Communication
January	Module II: Group Communication Module III: Business Correspondence
February	Module III: Business Correspondence
March	Module IV: Language and Writing Skills
April	Revision: Module I,II,III,IV

Teaching Plan
(Academic Year 2019 - 20)

Semester: V
Class: TYBAF

Subject/Paper Name: Management Application

Month	Topics to be covered
June	-----
July	Module I: Marketing Management
August	Module I: Marketing Management Module II: Production Management
September	Module II: Production Management Module III: Human Resource Management
October	Module IV: Finance Management Revision: I, II, III, IV

Semester: IV
Class: SYBBI

Subject/Paper Name: Customer Relationship Management

Month	Topics to be covered
November	Module I: Introduction to Customer Relationship Management
December	Module I: Introduction to Customer Relationship Management Module II: Technological Support in Customer Relationship Management
January	Module II: Technological Support in Customer Relationship Management Module III: Implementing Customer Relationship Management
February	Module III: Implementing Customer Relationship Management Module IV: Customer Relationship Management in Banking and Insurance Sector
March	Module IV: Customer Relationship Management in Banking and Insurance Sector
April	Revision: Module I,II,III,IV



Teaching Plan
(Academic Year 2019 - 20)

Semester: I

Class: FYBBI

Subject/Paper Name: Business Communication I

Month	Topics to be covered
June	-----
July	Module I: Theory of Communication
August	Module II: Obstacles to Communication in Business World
September	Module III: Business Correspondence
October	Module IV: Language and Writing Skills Revision (Module I, II, III, IV)

Semester: II

Class: FYBBI

Subject/Paper Name: Business Communication II

Month	Topics to be covered
November	Module I: Presentation Skills
December	Module I: Presentation Skills Module II: Group Communication
January	Module II: Group Communication Module III: Business Correspondence
February	Module III: Business Correspondence
March	Module IV: Language and Writing Skills
April	Revision: Module I,II,III,IV

Teaching Plan

(Academic Year 2019 - 20)

Semester: III

Class: SYBSC DIV: PM

Subject/Paper Name: ALGEBRA III

Month	Topics to be covered
June	RANK NULLITY THEOREM
July	LINEAR ISOMORPHISM AND SYSTEMS OF EQUATIONS
August	SYSTEMS OF EQUATIONS CONTD./ INNER PRODUCT SPACES
September	DETERMINANTS
October	-----

Semester: IV

Class: SYBSC DIV: PM

Subject/Paper Name: ALGEBRA IV

Month	Topics to be covered
November	GROUPS EXAMPLES AND PROPERTIES
December	ORDER OF GROUP AND ORDER OF AN ELEMENT
January	SUBGROUPS
February	CYCLIC GROUPS
March	HOMOMORPHISM
April	-----



Teaching Plan
(Academic Year 2019 - 20)

Semester: I

Class: FYBSC DIV: PCM

Subject/Paper Name: ALGEBRA I

Month	Topics to be covered
June	-----
July	PRINCIPAL OF FINITE INDUCTION AND BINOMIAL THEOREM
August	DIVISIBILITY OF INTEGERS
September	CONGRUENCE RELATION/ POLYNOMIALS IN $R[X]$
October	FUNCTIONS, RELATIONS AND BINARY OPERATIONS

Semester: II

Class: FYBSC DIV: PCM

Subject/Paper Name: ALGEBRA II

Month	Topics to be covered
November	-----
December	SYSTEMS OF EQUATIONS/ MATRICES
January	VECTOR SPACES AND SUB SPACES
February	BASIS AND DIMENSIONS
March	LINEAR TRANSFORMATIONS
April	LINEAR TRANSFORMATIONS CONTD.

Teaching Plan
(Academic Year 2019 - 20)

Semester: I

Class: FYBCOM DIV: B

Subject/Paper Name: MATHEMATICAL AND STATISTICAL TECHNIQUES

Month	Topics to be covered
June	-----
July	SHARES
August	SHARES AND MUTUAL FUNDS
September	LPP/ PERMUTATIONS AND COMBINATIONS
October	DECISION THEORY

Semester: II

Class: FYBCOM DIV: B

Subject/Paper Name: MATHEMATICAL AND STATISTICAL TECHNIQUES

Month	Topics to be covered
November	-----
December	CORRELATION REGRESSION
January	MOVING AVERAGES / TREND EQUATIONS
February	INDEX NUMBERS
March	PROBABILITY DISTRIBUTION (BINOMIAL AND POISSON)
April	NORMAL DISTRIBUTION



Teaching Plan
(Academic Year 2019 - 20)
Class: FYBCOM DIV: A/C/D

Semester: I

Subject/Paper Name: MATHEMATICAL AND STATISTICAL TECHNIQUES

Month	Topics to be covered
June	-----
July	SHARES
August	SHARES AND MUTUAL FUNDS
September	LINEAR PROGRAMMING PROBLEM
October	PERMUTATIONS AND COMBINATIONS

Semester: II

Class: FYBCOM A/C/D

Subject/Paper Name: MATHEMATICAL AND STATISTICAL TECHNIQUES

Month	Topics to be covered
November	-----
December	DERIVATIVES
January	DERIVATIVES AND THEIR APPLICATIONS
February	SIMPLE AND COMPOUND INTEREST
March	ANNUITY
April	ANNUITY CONTINUED





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Teaching Plan
(Academic Year 2019 - 20)

Semester: I

Class: FYBCom B,C & E

Subject/Paper Name: Accountancy and Financial Management -I

Month	Topics to be covered
June	Inventory Valuation
July	Inventory Valuation and Accounting for Hire Purchase_ Introduction
August	Accounting for Hire Purchase
September	Capital and Revenue and Final Accounts
October	Final Accounts- Practice Problems

Semester: II

Class: FYBCom B,C & E

Subject/Paper Name: Accountancy and Financial Management

Month	Topics to be covered
November	SEMISTER I EXAM
December	Fire Insurance
January	Consignment Accounts
February	Accounting from Incomplete Records
March	SEMISTER II EXAM
April	

Teaching Plan
(Academic Year 2019 - 20)

Semester: III

Class: SYBCom C

Subject/Paper Name: Accountancy and Financial Management

Month	Topics to be covered
June	Piecemeal Distribution- Introduction
July	Piecemeal Distribution- Statement of Excess Capital
August	Piecemeal Distribution- Main Statement and Practice Problems
September	Piecemeal Distribution- Practice Problems
October	SEMISTER III EXAM

Semester: IV

Class: SYBCom C

Subject/Paper Name: Accountancy and Financial Management

Month	Topics to be covered
November	PPI- Introduction
December	PPI- Practice Problems
January	PPI- Practice Problems
February	PPI- Practice Problems



March	SEMISTER IV EXAM
April	

Teaching Plan
(Academic Year 2019 - 20)

Semester: V

Class: TYBCom A, B & C

Subject/Paper Name: Cost Accountancy

Month	Topics to be covered
June	Introduction to Cost Accounting
July	Material Cost
August	Overheads
September	Labour Cost
October	SEMISTER V EXAM

Semester: VI

Class: TYBCom A, B & C

Subject/Paper Name: Cost Accountancy

Month	Topics to be covered
November	Process Costing
December	Introduction to Marginal Costing
January	Contract Costing
February	Introduction to Standard Costing
March	SEMISTER VI EXAM
April	

DEPARTMENT OF URDU

DR ABBAS ALAM RIZVI

TEACHING PLAN 2020-21						
Semester	Class		Division			
I	FYBA		A			
Subject/ Paper Name __URDU COMPULSORY						
Month	Topics to be Covered					
	Prose		Poetry	Ghazal	Rubaiyat	
September	Introduction		Biography of poets	Sawda & Mir	Introduction	
October	2 lesson		2Poem	Dard & Ghalib	Amjad& Essay	
November	2 Lesson		2,Poems	Daagh	Yaas &Essay	



				&Shaad		
December	2 Lesson		2,poems			
January	Exam					
Semester _		Class _____		Division _____		
II		FYBA		A		
Subject/ Paper Name _____						
Month	Topics to be Covered					
February	Prose		Poetry	Ghazal		
	1 Lesson		1 Poem	2 Ghazal	Roodad Navisi	
March						
	2 Lesson		1 Poem	2 Ghazal	2 Rubaiyat	
April						
	2 Lesson		2 Poem	2 Ghazal	Roodad Navisi	
May						
	1 Lesson		2 Poem	2 Gazal	2 Rubaiyat	
June	Exam					

Semester _____		Class _____				
I		FYBA		A		
Subject/ Paper Name __URDU ANCILLARY						
Month	Topics to be Covered					
September						
Unit I	Definition and art of urdu Nazm & 4 Nazm of Iqbal					
October						
	History of gradual development of Urdu Nazm and life of Allama Iqbal and 6 Nazm of Iqbal					
November						
Unit 2 and 3	Personality and Art of Iqbal and Akhtar Sheerani . 4 Nazm of Akhtar Sheerani					
December						
Unit 3 and 4	6 nazm of Akhtar Sheerani & Revision					
January	Exam					
Semester _____		Class _____		Division _____		
II		FYBA		A		
Subject/ Paper Name _____						
Month	Topics to be Covered					



February							
Unit 1 & 2	Definition of Art of urdu Afsana and History and gradual development Personality and Art of Munshi Prem Chand .						
March							
	Eight Afsana of Munshi Prem Chand						
April							
Unit 3	Personality and Art of Rajender Singh Bedi & 4 Afsana of Bedi						
May							
UNIT 4	4 Afsana of Rajendra Singh Bedi & Revision						
JUNE	Exam						

<u>TEACHING PLAN 2020-21</u>							
Semester _____	Class _____			Division _____			
III	SYBA			A			
Subject/ Paper Name __URDU :301 Muntakhab Ghazal							
Month	Topics to be Covered						
August							
	History of Urdu Ghazal & Life and Art of Fani Badayuni						
September							
	Eight Ghazal of Fani Badayuni						
October							
	Life and Art of Asghar Gondavi & 2 Ghazal of Fani Badayuni						
November							
	Eight Ghazal of Asghar Gondavi						
December	2Ghazal of Asghar Gondvi & Revision						
January	Exam						
Semester _____	Class _____			Division _____			
IV	SYBA			A			
Subject/ Paper Name __URDU:401 Muntakhab Nazm							
Month	Topics to be Covered						



February							
	History and gradual development of Urdu Nazm & Life and Art Khaleelur Rehman Azmi.						
March							
	Ten Poem's of Khaleelur Rehman						
April							
	Life and art of Akhtarul Iman & 4 Poems						
May	06 Poem	of	Akhtarul	Rehman	& Revision		
June	Exam						

<u>TEACHING PLAN 2020-21</u>							
Semester _____		Class _____		Division _____			
III		SYBA		A			
Subject/ Paper Name __URDU :302 Muntakhab khutoot							
Month	Topics to be Covered						
August	Definition and art of Urdu Khutoot and Life and Art of Mirza Ghalib						
September	History and types of Urdu khutoot. 03 khutoot of Mirza Ghalib						
October	Life and art of Sir Syed Ahmed & 04 Khutoot of Mirza Ghalib						
November	04 khutoot of Sir Syed & Revision						
December	03 Khtoot of Sir Syed Ahmed						
January	Exam						
Semester _____		Class _____		Division _____			
IV		SYBA		A			
Subject/ Paper Name _____ Urdu _____ Muntakhab _Safar nama_____							
Month	Topics to be Covered						
February	Definition and art of Urdu Safarnama. One safarnamaa of Mujtaba Husain						



March	History and types of urdu safarnama . 03 safarnama						
April	Life and Art of Mujtaba Husain						
	Life and art of Sughra Mahdi and 01 Safarnama						
May	01 safarnama of Sughra Mahdi Revision						
June	Exam						

<u>TEACHING PLAN 2020-21</u>							
Semester _____	Class _____			Division _____			
V	TYBA			A			
Subject/ Paper Name __ URDU:501 Grammar and essay							
Month	Topics to be Covered						
August							
Unit I	Essay writing						
September							
Unit 2	Detailed Study of Ism						
October							
Unit 3and 4	Zameer . Fael, murakkab						
November							
Unit 4 and 5	mushtaq alfaz and Aerabs						
December	Tajanees						
January	Exam						
Semester _____	Class _____			Division _____			
VI	TYBA			A			
Subject/ Paper Name __ URDU:601							
Month	Topics to be Covered						
February							
Unit 1	Mabadeyate Arooz and usoole Taqti						
March							
Unit 2	Fane Tarjuma Nigari and Tarjume ka Irteqa and Zaroorat						
April							
Unit 3and 4	Taqtee 6 meters and translation from English to Urdu						
May							



Unit 4 and 5	Translation from Urdu to English and Sanaye Badaye
June	Exam

TEACHING PLAN 2020-21							
Semester _____	Class _____			Division _____			
V		TYBA		A			
Subject/ Paper Name __Modern Urdu Poetry 502							
Month	Topics to be Covered						
August							
Unit I	Meaning , definition art kind technique historical and gradual development of urdu nazm and 5 poems						
September							
Unit 2	Taraqui pasand Tehreek (only Urdu poetry) and 5 poems						
October							
Unit 3	Faiz Ahmed Faiz – life, art and 4 poems						
November							
Unit 4	His style of poetry writing and 4 poems						
December	Critical appreciation of poems and his 2 poems						
January	Exam						
Semester _____	Class _____			Division _____			
VI		TYBA		A			
Subject/ Paper Name _ Modern Urdu Prose 602							
Month	Topics to be Covered						
February							
Unit 1	Meaning definition art and kind technique historical ad gradual development of Urdu novel						
March							
Unit 2	Ismat chughtai- Life art and style of novel writing						
April							
Unit 3	Critical appreciation and other aspects and other aspects of novel						
May							
Unit 4	Introduction and analysis of different characters and events of the novel ziddi						
June	Exam						



TEACHING PLAN 2020-21							
Semester _____	Class _____		Division _____				
V		TYBA		A			
Subject/ Paper Name __ Urdu Journalism 503							
Month	Topics to be Covered						
August							
Unit I	Fanne sahafat meaning definition and art.						
September							
Unit 1 & 2	Kind techniques and types; Khabar navisi, meaning and definition						
October							
Unit 2&3	important features types Art of writing news sources of local news						
November							
Unit 3	Editorial ,interview, coloumn writing, book review						
December							
Unit 4	Principles of journalism ,layout . pagemaking, chief editorial and his team						
January	Exam						
Semester _____	Class _____		Division _____				
VI		TYBA		A			
Subject/ Paper Name _ Urdu journalism 603							
Month	Topics to be Covered						
February							
Unit 1	History of journalism						
March							
Unit 2	Detailed study of urdu magazine- Tahzibul Akhlaque						
April							
Unit 3	Detailed study of urdu magazine- Shagoofa Hyderabad						
May							
Unit 4	Special study of journalist Maulana abul kalam azaad and Hasrat mohani						
June	Exam						

Semester: V

Class: TYBSC

Teaching Plan
A.Y. 2020-21



Subject/Paper Name: Chemistry/Organic Chemistry-Paper-III

Semester	Month	Topics to be covered
V	August	Organic synthesis
V	September	Natural products
V	October	Spectroscopy-I
V	Nov	Natural products + Spectroscopy-I + Practice of reactions + Solving of Question papers + online test + solving MCQs

Semester	Month	Topics to be covered
VI	Dec	Carbohydrates
VI	Jan	Spectroscopy-II
VI	Feb	Amino acids & Proteins + Nucleic acids
VI	March	Nucleic acids + Practice of reactions + Solving of Question papers + online test + solving MCQs
VI	April	Revision and solving doubts

Teaching Plan**Subject/Paper Name: Applied Chemistry/ Drugs & Dyes- Paper-V**

Semester	Month	Topics to be covered
V	August	General introduction to drugs
V	September	Routes of Drug Administration & Dosage forms
V	October	Pharmacodynamic Agents
V	Nov	Pharmacodynamic Agents + Assignments-Practice+ Solving of Question papers

Semester	Month	Topics to be covered
VI	Dec	Drug discovery Design & development
VI	Jan	Drug Metabolism
VI	Feb	Chemotherapeutic Agents
VI	March	Chemotherapeutic Agents
VI	April	Assignments-Practice + Solving of Question papers

DEPARTMENT OF SOCIOLOGY**TEACHING PLAN FOR 2020-2021****SEM I AND SEM II****F.Y.B.A****Prof. Mariyah Gour**

September	Unit I- Emergence of Sociology as a discipline and its relevance today a. Origin and development of the discipline of sociology Relationship between sociology and other social sciences b. Development of Sociology Pioneers of Sociology: August Comte (Law of 3 stages) ,
October	Herbert Spencer (Organic analogy), Emile Durkheim (Division of Labor) and Karl Marx (Conflict)



	c. Careers in Sociology
November	UNIT IV: SOCIALIZATION a. Understanding Socialization: The Self and Socialization George Herbert Mead: Theory of the Social Self Charles Horton Cooley: Looking Glass Self b. The Role and agencies of Socialization Family, School, Peer group and Mass media
December	c. Gender Socialization, Re-Socialization, Political Socialization, Occupational- Professional Socialization
January	Exams

February	UNIT I: SOCIAL INTERACTION a. Daily life encounter -- relationship between culture and communication, verbal and non-verbal communication (face, body, gestures). b. Theories -- Dramaturgy (Erving Goffman), Ethnomethodology (Garfinkel)
March	c. Virtual Interaction -- Interaction, relationships at a distance on a global/virtual platform, building trust, etc.
April	UNIT II: SOCIAL STRATIFICATION a. Concept of Social stratification b. Types of Social Stratification and Discrimination -- Age , Caste, Class , Gender , Religion , Race and Differently Abled
May	c. Social Mobility
June	Exams

DEPARTMENT OF SOCIOLOGY
TEACHING PLAN FOR 2020-2021
SEM III AND SEM IV

Month	S.Y.B.A 301
August	Unit I Indian Sociological Perspectives a. Indology and Structure--functionalism (G. S. Ghurye, M. N. Srinivas) b. Dialectical approach to Sociology (A. R. Desai, D.P. Mukerjee)
September	c. Non- Brahmanical Approach (Dr.B.R.Ambedkar, Mahatma Phule) Unit II Contemporary Sociologists a. Sharmila Rege (Gender)
October	b. Leela Dube (Kinship) c.T. K. Oommen (Religion) Unit III Contemporary Challenges in Indian Society a. Strategies of caste mobilisation
November	b. Resurgence of Ethnic identities c. Gender and Marginalization Unit IV Socio- Cultural Landscape of Maharashtra a. Regional diversity and communities in Maharashtra



December	b. Tourism in Maharashtra – Economy and Society c. Food Culture intertwined with different cultural identities
January	Exams

Month	S.Y.B.A 402
February	UNIT I JOURNALISM a. Journalism Studies: An Overview b. Journalists as Gatekeepers- Ethics in Journalism c. Women Journalists
March	UNIT II WOMEN ENTREPRENEURSHIP a. Meaning of Entrepreneurship, Role and Attributes of an Entrepreneur b. Women in different fields as entrepreneurs at the grass root level: Business, Food c. Challenges and Opportunities
April	UNIT III URBAN GOVERNANCE a. Plan and Growth of Smart Cities-Critique -Case Study (Kochi) Kerala, (Jaipur) Rajasthan b. Lack of availability of Open Spaces c. Street Vendors and Hawkers- The Street Vendors Act 2014
May	UNIT IV GERIATRIC CARE a. Phenomenon of Population Ageing b. Old Age Home, Senior Citizens Association, Day Care Centre c. Geriatric Care: Government and non-governmental initiatives in India
June	Exams

DEPARTMENT OF SOCIOLOGY
TEACHING PLAN FOR 2020-2021
SEM V AND SEM VI

Month	T.Y.B.A 501
August	Historical Context : The Enlightenment Contribution of August Comte ;Contribution of Herbert Spencer
September	Emile Durkheim-Division of labour, Theory of Suicide, Elementary Forms of Religious Life, Social Facts Max Weber- Methodology:Theory of Social Action , The Protestant Ethics and the Spirit of Capitalism
October	Unit II Structural Functionalism 1. Talcott Parsons- Voluntaristic Theory of Social Action,Theory on social



	system (AGIL analysis) 2. Merton's functionalism-Definition of function, Functional alternatives Unit III Conflict theories 1. Karl Marx- Dialectic Materialism; Class conflict; Alienation 2. Ralph Dahrendorf- Conflict Theory; Power and Authority
November	Unit IV Contemporary Theories 1. Harold Garfinkel :Ethnomethodology 2. Erving Goffman: Dramaturgy 3. Antonio Gramsci: Hegemony and the Ruling Ideas
December	Test, prelims and revision
January	Exams

Month	T.Y.B.A 601
February	Unit I Introduction to Anthropology 1. Nature and scope of Anthropology 2. Sub-disciplines within anthropology: Physical, Cultural, Archaeology, Linguistic 3. Relation with sociology as a discipline 4. Field methods in Anthropology
March	Unit II Early Thought 12 lectures 1. Evolution – Edward Tylor, L.H. Morgan 2. Historical Particularism - Franz Boas 3. Functionalism- Malinowski's Theory of Need 4. Colonial anthropology-Verrier Elvin's Methods of a Freelance Anthropologist Unit III Later Development 1. Culture and Personality-Margaret Mead's Coming of Age in Samoa 2. Patterns of Culture – Ruth Benedict 3. Marxian Feminism- Eleanor Burke Leacocke 4. Interpretative Anthropology – Clifford Geertz' Thick Description "Deep Play: Notes on the Balinese Cockfight"
April	Unit IV Contemporary Indian Thinkers 1. Virginous Xaxa- "Tribes and Indian National Identity: Location of Exclusion and Marginality" 2. Nandini Sunder- "Educating for Inequality: The Experiences of India's "Indigenous" Citizens" 3. Patricia Uberio- "The Diaspora Comes Home: Disciplining Desire in DDLG"
May	Test, prelims and revision
June	Exams

Month	T.Y.B.A 503
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August	Unit 1 Basic Concept Sex, gender and the heteronormative regime Gender beyond the binary Many women, many feminisms and intersectionality
September	Unit 11 Feminist perspectives: Selected Reading Classical Liberal – Mary Wollstonecraft Radical - Kate Millet Socialist - Juliet Mitchell Contemporary Black feminism – bell hooks Postmodern feminism: Julia Kristeva
October	Unit III New Challenges Dalit feminism: Kumud Pawade Queer perspectives: Judith Butler Masculinity Studies
November	Unit 111 History of Women’s Struggles Colonial - nationalist era : Key debates Child marriage, widowhood, sati, education, political rights Contemporary era Emergence of the autonomous women’s movement: Campaigns against Dowry, Rape and Women's Right to Health Current debates: Sexual violence and Rights in Marriage and Divorce
December	Test, Prelims and revision
January	Exam
Month	T.Y.B.A 603
February	Unit I Sites of Violence Against Women Family as a site of violence: Invisible forms of everyday violence Women in situations of conflict: communal conflict, caste violence and armed conflict. Sexual harassment: Street and work place (Protection of Women from Sexual Harassment (Prevention and Redressal) Act, 2013) Violence in virtual spaces: Twitter and facebook misogyny and trolling
March	Unit II Marginalised Genders Gender galaxy Queer activism Section 377 Unit III Protests and Resistance Reproductive Health: Debates on surrogacy Livelihood struggles: Land and forests Legislation: A feminist critique (rape and domestic violence)
April	Unit IV Feminist campaigns in digital spaces Why loiter Right to bleed Pinjra Tod #Me too
May	Test, Prelims and revision
June	Exams



Month	T.Y.B.A 505	T.Y.B.A 506
August	Unit I Concepts and Theoretical Approaches a. Environment; ecology, social ecology	Unit I Quantitative Research Quantitative Research – Nature, characteristics, significance, critique Types of data – Primary and Secondary, Small and Big Theoretical considerations - Positivism
September	b. environmental sociology: Catton and Dunlap c. Natural capitalism, Eco-socialism, Eco spiritualism	Unit II Process of Quantitative Research Writing research proposal Main steps in quantitative research Writing research report
October	Unit III Environmental Politics a. Environmentalism- early development; Gandhiji's view on environmentalism b. International environmental politics- Green parties, environmental groups	Unit III Aspects of Quantitative Research Survey Method, Technique of Questionnaire Sampling
November	Grassroots environmentalism c. Privatization of Water: Issues and Challenges	Unit IV Quantitative Data Analysis (Univariate Analysis) Measures of Central Tendency , Measures of Dispersion Correlation Introduction to SPSS
December	Test, Prelims and revision	Test, Prelims and revision
January	Exams	Exams

Month	T.Y.B.A 605	T.Y.B.A 606
February	Unit I Environmental Problems: Rural Context a. The environmental impact of the green revolution b. Western Ghats Ecology Expert Panel Report (Eco-Sensitive Zones)	Unit I Qualitative Research a. Qualitative Research – Nature, characteristics, significance, critique b. Preoccupations of qualitative researchers C. Theoretical considerations – Interpretivism
March	c. Water scarcity and water management; rainwater harvesting – case study of Johads in Rajasthan	Unit II Process of Qualitative Research (9 Lectures) a. Distinction between qualitative and quantitative research b. Main steps in qualitative research c. Reliability and Validity in Qualitative research
April	Unit IV Protests against Infrastructural Development a. Save Aarey Campaign b. Protest against new Development Plan for Mumbai and privatization of open spaces	Unit III Qualitative approaches to enquiry a. Ethnography b. Case study c. Feminist approach
May	c. New airport at Navi Mumbai	Unit IV Methods and Techniques of data collection a. Interview: Unstructured, Semi structured,



		In- depth b. Focus Group discussion c. Conversation and Discourse analysis
June	Exams	Exams

Teaching Plan
(Academic Year 2019 - 20)

Semester: I

Class: F.Y.B.Sc

Subject/Paper Name: Zoology

Month	Topics to be covered
June	-
July	Laboratory safety, Units and Measurement
August	Laboratory safety, Units and Measurement
September	Biodiversity and its Conservation
October	Examination

Semester: II

Class: F.Y.B.Sc

Subject/Paper Name: Zoology

Month	Topics to be covered
November	National Parks and Sanctuaries of India
December	National Parks and Sanctuaries of India
January	National Parks and Sanctuaries of India
February	Public health hygiene
March	Public health hygiene
April	Examination

Semester: III

Class: S.Y.B.Sc

Subject/Paper Name: Zoology

Month	Topics to be covered
June	Fundamentals of genetics
July	Fundamentals of genetics
August	Respiration and Circulation
September	Respiration and Circulation
October	Examination

Semester: IV

Class: S.Y.B.Sc

Subject/Paper Name: Zoology

Month	Topics to be covered
November	Population genetics and evolution



December	Population genetics and evolution
January	Population genetics and evolution
February	Scientific Attitude, Methodology, Scientific Writing and Ethics in Scientific Research
March	Scientific Attitude, Methodology, Scientific Writing and Ethics in Scientific Research
April	Examination

Semester: V Class: T.Y.B.Sc

Subject/Paper Name: Zoology

Month	Topics to be covered
June	Basic Immunology
July	Basic Immunology
August	Quality Control and Packaging
September	Marketing and Finance
October	Examination

Semester: VI Class: T.Y.B.Sc

Subject/Paper Name: Zoology

Month	Topics to be covered
November	Enzymology
December	Enzymology
January	Marine Shellfish of India
February	Preservation and Processing
March	Preservation and Processing
April	Examination

**Teaching Plan
(Academic Year 2020 - 21)**

Semester: I Class: FYBMS (Div: A)

Subject/Paper Name: Business Communication I

Month	Topics to be covered
June	-----
July	-----
August	Module I: Theory of Communication
September	Module I: Theory of Communication Module II: Obstacles to Communication in Business World
October	Module II: Obstacles to Communication in Business World Module III: Business Correspondence
November	Module III: Business Correspondence Module IV: Language and Writing Skills
December	Revision (Module I, II, III, IV)

**Teaching Plan
(Academic Year 2020 - 21)**



Semester: I **Class: FYBMS (Div: B)**

Subject/Paper Name: Business Communication I

Month	Topics to be covered
June	-----
July	-----
August	Module I: Theory of Communication
September	Module I: Theory of Communication Module II: Obstacles to Communication in Business World
October	Module II: Obstacles to Communication in Business World Module III: Business Correspondence
November	Module III: Business Correspondence Module IV: Language and Writing Skills
December	Revision (Module I, II, III, IV)

Teaching Plan
(Academic Year 2020 - 21)

Semester: III **Class: SYBMS-HR (Div: C)**

Subject/Paper Name: Recruitment and Selection

Month	Topics to be covered
June	-----
July	-----
August	Module I: Recruitment
September	Module I: Recruitment Module II: Selection
October	Module II: Selection Module III: Induction
November	Module III: Induction, Orientation and Socialisation Module IV: Soft Skills
December	Revision: I, II, III, IV

Teaching Plan
(Academic Year 2020 - 21)

Semester: V **Class: TYBMS – HR (Div: C)**

Subject/Paper Name: Talent and Competency Management

Month	Topics to be covered
June	-----
July	-----
August	Module I: Introduction to Talent Management
September	Module I: Introduction to Talent Management Module II: Talent Management System
October	Module II: Talent Management System Module III: Contemporary Issues and Current Trends in Talent Management
November	Module III: Contemporary Issues and Current Trends in Talent Management Module IV: Competency Management and Competency Mapping
December	Revision: I, II, III, IV



Teaching Plan
(Academic Year 2020 - 21)

Semester: I

Class: FYBCOM DIV: A/C/D

Subject/Paper Name: MATHEMATICAL AND STATISTICAL TECHNIQUES

Month	Topics to be covered
August	-----
September	SHARES
October	SHARES AND MUTUAL FUNDS
November	LINEAR PROGRAMMING PROBLEM
December	PERMUTATIONS AND COMBINATIONS

Semester: II

Class: FYBCOM A/C/D

Subject/Paper Name: MATHEMATICAL AND STATISTICAL TECHNIQUES

Month	Topics to be covered
January	-----
February	DERIVATIVES
March	DERIVATIVES AND THEIR APPLICATIONS
April	SIMPLE AND COMPOUND INTEREST
May	ANNUITY
June	ANNUITY CONTINUED

Teaching Plan
(Academic Year 2020 - 21)

Semester: I

Class: FYBCOM DIV: B

Subject/Paper Name: MATHEMATICAL AND STATISTICAL TECHNIQUES

Month	Topics to be covered
August	-----
September	SHARES
October	SHARES AND MUTUAL FUNDS
November	LPP/ PERMUTATIONS AND COMBINATIONS
December	DECISION THEORY

Semester: II

Class: FYBCOM DIV: B

Subject/Paper Name: MATHEMATICAL AND STATISTICAL TECHNIQUES

Month	Topics to be covered
January	-----
February	CORRELATION REGRESSION
March	MOVING AVERAGES / TREND EQUATIONS
April	INDEX NUMBERS
May	PROBABILITY DISTRIBUTION (BINOMIAL AND POISSON)
June	NORMAL DISTRIBUTION



Teaching Plan
(Academic Year 2020 - 21)

Semester: I

Class: FYBSC DIV: PCM

Subject/Paper Name: ALGEBRA I

Month	Topics to be covered
August	-----
September	PRINCIPAL OF FINITE INDUCTION AND BINOMIAL THEOREM
October	DIVISIBILITY OF INTEGERS
November	CONGRUENC S RELATION/ POLYNOMIALS IN $R[X]$
December	FUNCTIONS , RELATIONS AND BINARY OPERATIONS

Semester: II

Class: FYBSC DIV: PCM

Subject/Paper Name: ALGEBRA II

Month	Topics to be covered
January	-----
February	SYSTEMS OF EQUATIONS/ MATRICES
March	VECTOR SPACES AND SUB SPACES
April	BASIS AND DIMENSIONS
May	LINEAR TRANSFORMATIONS
June	LINEAR TRANSFORMATIONS CONTD.

Teaching Plan
(Academic Year 2020 - 21)

Semester: III

Class: SYBSC DIV: PM

Subject/Paper Name: ALGEBRA III

Month	Topics to be covered
August	RANK NULLITY THEOREM
September	LINEAR ISOMORPHISM AND SYSTEMS OF EQUATIONS
October	SYSTEMS OF EQUATIONS CONTD./ INNER PRODUCT SPACES
November	DETERMINANTS
December	-----

Semester: IV

Class: SYBSC DIV: PM



Subject/Paper Name: ALGEBRA IV

Month	Topics to be covered
January	GROUPS EXAMPLES AND PROPERTIES
February	ORDER OF GROUP AND ORDER OF AN ELEMENT
March	SUBGROUPS
April	CYCLIC GROUPS
May	HOMOMORPHISM
June	-----

Teaching Plan
(Academic Year 2020 - 21)

Semester: I

Class: FYBSc COMPUTER SCIENCE

Subject/Paper Name: Database System

Month	Topics to be covered
August	Introduction to DBMS – Database, DBMS – Definition, Overview of DBMS, Advantages of DBMS, Levels of abstraction, Data independence, DBMS Architecture Data models - Client/Server Architecture, Object Based Logical Model, Record Based Logical Model (relational, hierarchical, network) Entity Relationship Model
September	Relational data model – Domains, attributes, Tuples and Relations, Relational Model Notation, Characteristics of Relations, Relational Constraints - primary key, referential integrity, unique constraint, Null constraint, Check constraint ER to Table, Schema refinement and Normal forms: Functional dependencies, first, second, third, and BCNF normal forms based on primary keys, lossless join decomposition.
October	Relational Algebra operations (selection, projection, set operations union, intersection, difference, cross product, Joins –conditional, equi join and natural joins, division) DDL Statements - Creating Databases, Using Databases, data types, Creating Tables(with integrity constraints – primary key, default, check, not null), Altering Tables, Renaming Tables, Dropping Tables, Truncating Tables, Backing Up and Restoring databases DML Statements – Viewing the structure of a table insert, update, delete, Select all columns, specific columns, unique records, conditional select, in clause, between clause, limit, aggregate functions (count, min, max, avg, sum), group by clause, having clause
November	Functions – String Functions (concat, instr, left, right, mid, length, lcase/lower, ucase/upper, replace, strcmp, trim, ltrim, rtrim), Math Functions (abs, ceil, floor, mod, pow, sqrt, round, truncate) Date Functions (adddate, datediff, day, month, year, hour, min, sec, now, reverse) Joining Tables, Subqueries , Database Protection, Views, DCL Statements

Teaching Plan
(Academic Year 2020 - 21)

Semester: III

Class: SYBSc COMPUTER SCIENCE

Subject/Paper Name: Theory of Computation

Month	Topics to be covered
August	Automata Theory: Defining Automaton, Finite Automaton, Transitions and Its properties, Acceptability by Finite Automaton, Nondeterministic Finite State Machines, DFA and NFA equivalence, Mealy and Moore Machines, Minimization. Formal Languages: Defining Grammar, Derivations, Languages generated by Grammar, Chomsky Classification of Grammar and Languages,
September	Recursive Enumerable Sets, Operations on Languages, Languages and Automata Regular Sets and Regular Grammar: Regular Grammar, Regular Expressions, Finite automata and Regular Expressions, Pumping Lemma and its Applications, Closure Properties, Regular Sets and Regular Grammar Context Free Languages: Context-free Languages, Derivation Tree, Ambiguity of Grammar, CFG simplification, Normal Forms, Pumping Lemma for CFG
October	Pushdown Automata: Definitions, Acceptance by PDA, PDA and CFG



	Linear Bound Automata: The Linear Bound Automata Model, Linear Bound Automata and Languages.
November	Turing Machines: Turing Machine Definition, Representations, Acceptability by Turing Machines, Designing and Description of Turing Machines, Turing Machine Construction, Variants of Turing Machine, Undecidability: The Church-Turing thesis, Universal Turing Machine, Halting Problem, Introduction to Unsolvability Problems

Teaching Plan

(Academic Year 2020 - 21)

Semester: III

Class: SYBSc COMPUTER SCIENCE

Subject/Paper Name: Web Programming

Month	Topics to be covered
August	HTML5: Fundamental Elements of HTML, Formatting Text, Organizing TextML, Links and URLs in HTML, Tables, Images on a Web Page, Image Formats, Image Maps, Colors, FORMs, Interactive Elements, Working with Multimedia - Audio and Video File Formats, HTML elements for inserting Audio / Video on a web page
September	CSS: Understanding the Syntax of CSS, CSS Selectors, Inserting CSS in an HTML Document, CSS properties to work with background of a Page, CSS properties to work with Fonts and Text Styles, CSS properties for positioning an element JavaScript: Using JavaScript in an HTML Document, Programming Fundamentals of JavaScript – Variables, Operators, Control Flow Statements, Popup Boxes, Functions
October	JavaScript Objects, Browser Objects - Window, Navigator, History, Location, Document, Cookies, Document Object Model, Form Validation using JavaScript XML: Comparing XML with HTML, Advantages and Disadvantages of XML, Structure of an XML Document, XML Entity References, DTD, XSLT: XSLT Elements and Attributes
November	AJAX: AJAX Web Application Model, How AJAX Works, XMLHttpRequest Object – Properties and Methods, Handling asynchronous requests using AJAX PHP: Variables and Operators, Program Flow, Arrays, Working with Files and Directories, Working with Databases, Working with Cookies, Sessions and Headers Introduction to jQuery: Fundamentals, Selectors, methods to access HTML attributes, methods for traversing, manipulators, events, effects

Teaching Plan for the year 2020-21 for Software Project Management

Semester	Months	Topic Covered
V	August	Introduction to Software Project Management: Introduction, Why is Software Project Management Important? What is a Project? Software Projects versus Other Types of Project, Contract Management and Technical Project Management, Activities Covered by Software Project Management, Plans, Methods and Methodologies, Some Ways of Categorizing Software Projects, Project Charter, Stakeholders, Setting Objectives, The Business Case, Project Success and Failure, What is Management? Management Control, Project Management Life Cycle, Traditional versus Modern Project Management Practices. Project Evaluation and Programme Management: Introduction, Business Case, Project Portfolio Management, Evaluation of Individual Projects, Cost-benefit Evaluation Techniques, Risk Evaluation, Programme Management,



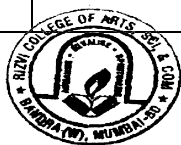
		<p>Managing the Allocation of Resources within Programmes, Strategic Programme Management, Creating a Programme, Aids to Programme Management, Some Reservations about Programme Management, Benefits Management.</p> <p>An Overview of Project Planning : Introduction to Step Wise Project Planning, Step 0: Select Project, Step 1: Identify Project Scope and Objectives, Step 2: Identify Project Infrastructure, Step 3: Analyse Project Characteristics, Step 4: Identify Project Products and Activities, Step 5: Estimate Effort for Each Activity, Step 6: Identify Activity Risks, Step 7: Allocate Resources, Step 8: Review/Publicize Plan, Steps 9 and 10: Execute Plan/Lower Levels of Planning</p> <p>Selection of an Appropriate Project Approach: Introduction, Build or Buy? Choosing Methodologies and Technologies, Software Processes and Process Models, Choice of Process Models, Structure versus Speed of Delivery, The Waterfall Model, The Spiral Model, Software Prototyping, Other Ways of Categorizing Prototypes, Incremental Delivery, Atern/Dynamic Systems Development Method, Rapid Application Development, Agile Methods, Extreme Programming (XP), Scrum, Lean Software Development, Managing Iterative Processes, Selecting the Most Appropriate Process Model.</p> <p>Software Effort Estimation: Introduction, Where are the Estimates Done? Problems with Over- and Under-Estimates, The Basis for Software Estimating, Software Effort Estimation Techniques, Bottom-up Estimating, The Top-down Approach and Parametric Models, Expert Judgement, Estimating by Analogy, Albrecht Function Point Analysis, Function Points Mark II, COSMIC Full Function Points, COCOMO A Parametric Productivity Model, Cost Estimation, Staffing Pattern, Effect of Schedule Compression, Capers Jones Estimating Rules of Thumb.</p>
V	September	<p>Activity Planning: Introduction, Objectives of Activity Planning, When to Plan, Project Schedules, Projects and Activities, Sequencing and Scheduling Activities, Network Planning Models, Formulating a Network Model, Adding the Time Dimension, The Forward Pass, Backward Pass, Identifying the Critical Path, Activity Float, Shortening the Project Duration, Identifying Critical Activities, Activity-on-Arrow Networks.</p> <p>Risk Management: Introduction, Risk, Categories of Risk, Risk Management Approaches, A Framework for Dealing with Risk, Risk Identification, Risk Assessment, Risk Planning, Risk Management, Evaluating Risks to the Schedule, Boehm's Top 10 Risks and Counter Measures, Applying the PERT Technique, Monte Carlo Simulation, Critical Chain Concepts.</p> <p>Resource Allocation: Introduction, Nature of Resources, Identifying Resource Requirements, Scheduling Resources, Creating Critical Paths, Counting the Cost, Being Specific, Publishing the Resource Schedule, Cost Schedules, Scheduling Sequence</p>
V	October	<p>Monitoring and Control: Introduction, Creating the Framework, Collecting the Data, Review, Visualizing Progress, Cost Monitoring, Earned Value Analysis, Prioritizing Monitoring, Getting the Project Back to Target, Change Control, Software Configuration Management (SCM).</p> <p>Managing Contracts: Introduction, Types of Contract, Stages in Contract Placement, Typical Terms of a Contract, Contract Management, Acceptance.</p> <p>Managing People in Software Environments: Introduction, Understanding Behaviour, Organizational Behaviour: A Background, Selecting the Right Person for the Job, Instruction in the Best Methods, Motivation, The Oldham-Hackman Job Characteristics Model, Stress, Stress Management,</p>



		Health and Safety, Some Ethical and Professional Concerns. Working in Teams: Introduction, Becoming a Team, Decision Making, Organization and Team Structures, Coordination Dependencies, Dispersed and Virtual Teams, Communication Genres, Communication Plans, Leadership. Software Quality : Introduction, The Place of Software Quality in Project Planning, Importance of Software Quality, Defining Software Quality, Software Quality Models, ISO 9126, Product and Process Metrics, Product versus Process Quality Management, Quality Management Systems, Process Capability Models, Techniques to Help Enhance Software Quality, Testing, Software Reliability, Quality Plans
V	November	

Teaching Plan for the year 2020-21 for Enterprise Java

Semester	Months	Topic Covered
V	August	<p>Understanding Java EE: What is an Enterprise Application? What is java enterprise edition? Java EE Technologies, Java EE evolution, Glassfish server</p> <p>Java EE Architecture, Server and Containers: Types of System Architecture, Java EE Server, Java EE Containers.</p> <p>Introduction to Java Servlets: The Need for Dynamic Content, Java Servlet Technology, Why Servlets? What can Servlets do?</p> <p>Servlet API and Lifecycle: Java Servlet API, The Servlet Skeleton, The Servlet Life Cycle, A Simple Welcome Servlet</p> <p>Working With Servlets: Getting Started, Using Annotations Instead of Deployment Descriptor.</p> <p>Working with Databases: What Is JDBC? JDBC Architecture, Accessing Database, The Servlet GUI and Database Example.</p> <p>Request Dispatcher: Resquestdispatcher Interface, Methods of Requestdispatcher, Requestdispatcher Application.</p> <p>COOKIES: Kinds Of Cookies, Where Cookies Are Used? Creating Cookies Using Servlet, Dynamically Changing The Colors Of A Page</p> <p>SESSION: What Are Sessions? Lifecycle Of Http Session, Session Tracking With Servlet API, A Servlet Session Example</p>
V	September	<p>Working With Files: Uploading Files, Creating an Upload File Application, Downloading Files, Creating a Download File Application.</p> <p>Working With Non-Blocking I/O: Creating a Non-Blocking Read Application, Creating The Web Application, Creating Java Class, Creating Servlets, Retrieving The File, Creating index.jsp</p> <p>Introduction To Java Server Pages: Why use Java Server Pages? Disadvantages Of JSP, JSP v\vs Servlets, Life Cycle of a JSP Page, How does a JSP function? How does JSP execute? About Java Server Pages</p> <p>Getting Started With Java Server Pages: Comments, JSP Document, JSP Elements, JSP GUI Example.</p> <p>Action Elements: Including other Files, Forwarding JSP Page to Another Page, Passing Parameters for other Actions, Loading a Javabean.</p> <p>Implicit Objects, Scope And El Expressions: Implicit Objects, Character Quoting Conventions, Unified Expression Language [Unified El], Expression Language.</p>
V	October	<p>Introduction To Enterprise Javabeans: Enterprise Bean Architecture, Benefits of Enterprise Bean, Types of Enterprise Bean, Accessing Enterprise Beans, Enterprise Bean Application, Packaging Enterprise Beans</p>



		<p>Working With Session Beans: When to use Session Beans? Types of Session Beans, Remote and Local Interfaces, Accessing Interfaces, Lifecycle of Enterprise Beans, Packaging Enterprise Beans, Example of Stateful Session Bean, Example of Stateless Session Bean, Example of Singleton Session Beans.</p> <p>Working with Message Driven Beans: Lifecycle of a Message Driven Bean, Uses of Message Driven Beans, The Message Driven Beans Example.</p> <p>Interceptors: Request And Interceptor, Defining An Interceptor, AroundInvoke Method, Applying Interceptor, Adding An Interceptor To An Enterprise Bean, Build and Run the Web Application.</p> <p>Java Naming and Directory Interface: What is Naming Service? What is Directory Service? What is Java Naming and Directory interface? Basic Lookup, JNDI Namespace in Java EE, Resources and JNDI, Datasource Resource Definition in Java EE</p> <p>Persistence, Object/Relational Mapping And JPA: What is Persistence? Persistence in Java, Current Persistence Standards in Java, Why another Persistence Standards? Object/Relational Mapping,</p>
V	November	<p>Introduction to Java Persistence API: The Java Persistence API, JPA, ORM, Database and the Application, Architecture of JPA, How JPA Works? JPA Specifications.</p> <p>Writing JPA Application: Application Requirement Specifications, Software Requirements, The Application Development Approach, Creating Database And Tables in Mysql, Creating a Web Application, Adding the Required Library Files, Creating a Javabeen Class, Creating Persistence Unit [Persistence.Xml], Creating JSPS, The JPA Application Structure, Running The JPA Application.</p> <p>Introduction to Hibernate: What is Hibernate? Why Hibernate? Hibernate, Database and The Application, Components of Hibernate, Architecture of Hibernate, How Hibernate Works?</p> <p>Writing Hibernate Application: Application Requirement Specifications, Software Requirements, The Application Development Approach, Creating Database and Tables in Mysql, Creating a Web Application, Adding The Required Library Files, Creating a Javabeen Class, Creating Hibernate Configuration File, Adding a Mapping Class, Creating JSPS, Running The Hibernate Application.</p>

Teaching Plan for the year 2020-21 for Software Project Management

Semester	Months	Topic Covered
V	August	<p>Introduction to Software Project Management: Introduction, Why is Software Project Management Important? What is a Project? Software Projects versus Other Types of Project, Contract Management and Technical Project Management, Activities Covered by Software Project Management, Plans, Methods and Methodologies, Some Ways of Categorizing Software Projects, Project Charter, Stakeholders, Setting Objectives, The Business Case, Project Success and Failure, What is Management? Management Control, Project Management Life Cycle, Traditional versus Modern Project Management Practices.</p> <p>Project Evaluation and Programme Management: Introduction, Business Case, Project Portfolio Management, Evaluation of Individual Projects, Cost-benefit Evaluation Techniques, Risk Evaluation, Programme Management, Managing the Allocation of Resources within Programmes, Strategic Programme Management, Creating a Programme, Aids to Programme Management, Some Reservations about Programme Management, Benefits</p>



		<p>Management.</p> <p>An Overview of Project Planning : Introduction to Step Wise Project Planning, Step 0: Select Project, Step 1: Identify Project Scope and Objectives, Step 2: Identify Project Infrastructure, Step 3: Analyse Project Characteristics, Step 4: Identify Project Products and Activities, Step 5: Estimate Effort for Each Activity, Step 6: Identify Activity Risks, Step 7: Allocate Resources, Step 8: Review/Publicize Plan, Steps 9 and 10: Execute Plan/Lower Levels of Planning</p> <p>Selection of an Appropriate Project Approach: Introduction, Build or Buy? Choosing Methodologies and Technologies, Software Processes and Process Models, Choice of Process Models, Structure versus Speed of Delivery, The Waterfall Model, The Spiral Model, Software Prototyping, Other Ways of Categorizing Prototypes, Incremental Delivery, Atern/Dynamic Systems Development Method, Rapid Application Development, Agile Methods, Extreme Programming (XP), Scrum, Lean Software Development, Managing Iterative Processes, Selecting the Most Appropriate Process Model.</p> <p>Software Effort Estimation: Introduction, Where are the Estimates Done? Problems with Over- and Under-Estimates, The Basis for Software Estimating, Software Effort Estimation Techniques, Bottom-up Estimating, The Top-down Approach and Parametric Models, Expert Judgement, Estimating by Analogy, Albrecht Function Point Analysis, Function Points Mark II, COSMIC Full Function Points, COCOMO A Parametric Productivity Model, Cost Estimation, Staffing Pattern, Effect of Schedule Compression, Capers Jones Estimating Rules of Thumb.</p>
V	September	<p>Activity Planning: Introduction, Objectives of Activity Planning, When to Plan, Project Schedules, Projects and Activities, Sequencing and Scheduling Activities, Network Planning Models, Formulating a Network Model, Adding the Time Dimension, The Forward Pass, Backward Pass, Identifying the Critical Path, Activity Float, Shortening the Project Duration, Identifying Critical Activities, Activity-on-Arrow Networks.</p> <p>Risk Management: Introduction, Risk, Categories of Risk, Risk Management Approaches, A Framework for Dealing with Risk, Risk Identification, Risk Assessment, Risk Planning, Risk Management, Evaluating Risks to the Schedule, Boehm’s Top 10 Risks and Counter Measures, Applying the PERT Technique, Monte Carlo Simulation, Critical Chain Concepts.</p> <p>Resource Allocation: Introduction, Nature of Resources, Identifying Resource Requirements, Scheduling Resources, Creating Critical Paths, Counting the Cost, Being Specific, Publishing the Resource Schedule, Cost Schedules, Scheduling Sequence</p>
V	October	<p>Monitoring and Control: Introduction, Creating the Framework, Collecting the Data, Review, Visualizing Progress, Cost Monitoring, Earned Value Analysis, Prioritizing Monitoring, Getting the Project Back to Target, Change Control, Software Configuration Management (SCM).</p> <p>Managing Contracts: Introduction, Types of Contract, Stages in Contract Placement, Typical Terms of a Contract, Contract Management, Acceptance.</p> <p>Managing People in Software Environments: Introduction, Understanding Behaviour, Organizational Behaviour: A Background, Selecting the Right Person for the Job, Instruction in the Best Methods, Motivation, The Oldham–Hackman Job Characteristics Model, Stress, Stress Management, Health and Safety, Some Ethical and Professional Concerns.</p> <p>Working in Teams: Introduction, Becoming a Team, Decision Making, Organization and Team Structures, Coordination Dependencies, Dispersed</p>



		and Virtual Teams, Communication Genres, Communication Plans, Leadership. Software Quality : Introduction, The Place of Software Quality in Project Planning, Importance of Software Quality, Defining Software Quality, Software Quality Models, ISO 9126, Product and Process Metrics, Product versus Process Quality Management, Quality Management Systems, Process Capability Models, Techniques to Help Enhance Software Quality, Testing, Software Reliability, Quality Plans
V	November	

Teaching Plan
(Academic Year 2019 - 20)

Semester: 1

Class: FYBMS

Subject/Paper Name: Foundation of Human Skills

Month	Topics to be covered

September	Unit 1- Understanding of Human Behaviour
October	Unit 2- Introduction to Group Behaviour
November	Unit3- Organisational Culture And Motivation
December	Unit 4- Organisational Change, Creativity and Development and Work Stress

Teaching Plan
(Academic Year 2019 - 20)

Semester: 3

Class: SYBMS

Subject/Paper Name: Organisational Behaviour And Human Resource Management

Month	Topics to be covered
June	-----
July	Unit 1-Organisational Behaviour
August	Unit 2 – Communication, Conflict Management, Time Management
September	Unit 3- HRM,HRP and HRD
October	Unit 4- Performance Management And Career Planning

Teaching Plan
(Academic Year 2020 - 21)

Semester: 5

Class: TYBMS

Subject/Paper Name: Performance Management and Career Planning

Month	Topics to be covered

August	Unit 1 - Performance management – An Overview
September	Unit 4 - Career Planning And Development
October	Unit 2 - Performance Management Process
November	Unit 3 – Ethics under Performance and Key Issues in Performance Management



Teaching Plan
(Academic Year 2020- 21)

Semester: 1

Class: TYBMS

Subject/Paper Name: Logistics and Supply Chain Management

Month	Topics to be covered

September	Unit 1- Introduction to logistics
October	Unit 2- Elements Of logistics Mix
November	Unit3- Inventory Management
December	Unit 4- Recent trends in Logistics and Supply chain

Teaching Plan
(Academic Year 2020 - 21)

Semester: I

Class: FYBAMMC

Subject/Paper Name: FUNDAMENTALS OF MASS COMMUNICATION

Month	Topics to be covered
August	Introduction and overview
September	History of Mass Communication Major forms of mass media
October	Impact of Mass Media on Society
November	The New Media and media convergence

Teaching Plan
(Academic Year 2020-21)

Semester: I

Class: FYBAMMC

Subject/Paper Name: Current Affairs

Month	Topics to be covered
September	Current National Stories; Currency is the essence of media learning; Policy and Governance; Parliamentary Democracy; Centre-State relations, the judicial system
October	Current National Stories; National Issues; Ministry of home affairs
November	International Affairs; Maharashtra Issues, Role of UN; Global Conflicts; Security Council; Maharashtra Issues, Technology; Political Structure; Caste and Politics; Agrarian Crisis
December	The electoral System; commerce; mobile application for journalists; Artificial Intelligence

Teaching Plan
(Academic Year 2020 - 21)

Semester: I

Class: FYBAMMC



Subject/Paper Name: Foundation Course-I

Month	Topics to be covered
September	Overview of Indian Society; Multi Cultural Diversity, Concept of Disparity-

	1;Stratification,Inequalities,
October	Concept of Disparity-II, Caste system inequalities, communalism, Overview of Indian Constitution
November	Significant aspects of Political process, Party system; Women in politics
December	Growing social problem in India, Substance abuse; problems of elderly, child abuse

Teaching Plan
(Academic Year 2020 - 21)

Semester: III

Class: SYBAMMC

Subject/Paper Name: INTRODUCTION TO PHOTOGRAPHY

Month	Topics to be covered
August	History of Cinema, Understanding aspects of film appreciation
September	Early Cinema,
October	Major film movements & its impact.
November	Mainstream Indian Cinema and parallel Indian cinema

Teaching Plan
(Academic Year 2020 - 21)

Semester: III

Class: SYBMM

Subject/Paper Name: INTRODUCTION TO PHOTOGRAPHY

Month	Topics to be covered
August	History of Cinema, Understanding aspects of film appreciation
September	Early Cinema,
October	Major film movements & its impact.
November	Mainstream Indian Cinema and parallel Indian cinema

Teaching Plan
(Academic Year 2020 - 21)

Semester: III

Class: SYBAMMC

Subject/Paper Name: MEDIA STUDIES

Month	Topics to be covered
August	INTRODUCTION- Eras, relevance,connection to culture, literature.
September	MEDIA THEORIES- Propaganda & propaganda theories,Scientific perspectives to limited perspectives.
October	VARIOUS SCHOOLS, MEDIA & IDENTITY— THEORIES ON MEDIA EFFECTS .
November	MEANING AND MAKING PERSPECTIVES- New media & the age of internet.

Teaching Plan
(Academic Year 2020 - 21)

Semester: III

Class: SYBAMMC

Subject/Paper Name: Corporate Communication & Public Relations



Month	Topics to be covered
August	Introduction to Corporate communication, Scope, Need, Importance, Corporate Identity, Corporate Image, Corporate Reputation, ethics, Copyright Act, RTI, Digital Piracy, Evolution, Propaganda, Publicity, Public opinion,
September	Internal, External, Mergers, Role of Public Relations in various sectors, Grunings Theory, Diffusion theory, Tools of PR
October	PR and Marketing, Branding, Objectives, Internal External PR, Corporate Image Management, Digital PR, Crisis Communication, Social Responsibility, Crisis Communication
November	Role of Social Media, PR Campaign, Ethics

Teaching Plan
(Academic Year 2020 - 21)

Semester: V

Class: TYBMM:Advertising

Subject/Paper Name: Advertising in Contemporary Society

Month	Topics to be covered
August	Change in Environment : Policy post- independence, Policy 1991 onwards, Liberation Policy Effects of Liberalisation on Economy ,Business, Employment, Advertising, Life Style
September	Advertising: The effect of Advertising on Society. Criticism of Advertising : Advertising and Women; Advertising and Children; Advertising and old people; Controversial Advertising ; Gender Bias Advertising and popular culture ; Social implication of advertising ; The effect of advertising on the market and economy
October	Types of Advertising: Political advertising B to B, Consumer advertising, Retail advertising, Industrial advertising, Financial advertising, Internet Digital Marketing National, International & Global Advertising & Marketing: The environmental analysis of India and other foreign countries; specifically, USA, BRAZIL, UK, CHINA, JAPAN, UAE, The use of this analysis in marketing and Advertising. (CASE STUDY)
November	Social Marketing : Definition, Need for Social Marketing. The difficulties of Social Marketing. The various subjects for Social Marketing. Effects of social marketing. (CASE STUDY)

Teaching Plan
(Academic Year 2020 - 21)

Semester: V

Class: TYBMM-Advertising

Subject/Paper Name: Brand Building

Month	Topics to be covered
August	Brand, Brand Identity, Brand Positioning
September	Brand Personality; Brand Leverages, Branding Strategies
October	Branding Strategies, Brand Repositioning, Brand Equity,
November	Brand Building Imperative



Teaching Plan
(Academic Year 2020 - 21)

Semester: V

Class: TYBMM-Advertising

Subject/Paper Name: Consumer Behavior

Month	Topics to be covered
August	Consumer Behaviour, Need, Trends, Social and Cultural aspects of marketing and its impact on consumer behaviour,
September	Relevance of Perception and learning in consumer behaviour, cognitive theory, behavioural learning, Motivation
October	Personality and attitude, cognitive dissonance,
November	Consumer Decision Making Models, levels, opinion leaders, adoption and diffusion process

Teaching Plan
(Academic Year 2020 - 21)

Semester: V

Class: TYBMM: Journalism

Subject/Paper Name: Editing

Month	Topics to be covered
August	Introduction to Editing, Specific language inputs Structure and functions of the editorial set-up of a newspaper
September	Writing Styles, broadsheet, tabloid, copy editing, news story, Editing elements and Usage
October	Understanding news headlines, teasers and editorials, captions, photos
November	Typography and design Editing on the computer

Teaching Plan
(Academic Year 2020 - 21)

Semester: V

Class: TYBMM: Journalism

Subject/Paper Name: Indian Regional Journalism

Month	Topics to be covered
August	Introduction of Indian Regional Journalism Urdu Press Bengali Press
September	Regional press during the British Raj: an overview Marathi Press Hindi Press
October	Malayalam Press Telugu Press Tamil Press IRJ Veteran's profile
November	Comparison of English and regionalism journalism Regional television channels and Increasing ownership and dominance of families with political connections over regional newspapers



Teaching Plan
(Academic Year 2020 – 2021)

Semester: V

Class: TYBBI

Subject/Paper Name: Business Ethics and Corporate Governance

Month	Topics to be covered
June	
July	Unit-1: Business Ethics
August	Unit-2: Corporate Governance
September	Unit-3: Code of Conduct in Business Houses
October	Unit-4: Corruption

Teaching Plan
(Academic Year 2020 - 21)

Semester: I

Class: FYBBI

Subject/Paper Name: Financial Accounting I

Month	Modules	Topics to be covered
June		-
July		-
August	I	Introduction to Accounting
September	II	Classification of Income and Expenses and Accounting Standards
October	III IV	Stock Valuation and Hire Purchase Final Accounts

Teaching Plan
(Academic Year 2020 - 21)

Semester: III

Class: SYBBI

Subject/Paper Name: FINANCIAL MARKETS

Month	Modules	Topics to be covered
June		-
July		-
August	I	Indian Financial System
September	II & IV	Commodity Markets & Derivatives Market
October	III	Financial Markets in India

Teaching Plan
(Academic Year 2020-2021)

Semester: V

Class: TYBBI

Subject/Paper Name: Financial Services Management

Month	Topics to be covered
June	



July	Unit-1: Introduction to Financial Services Unit-2: Mutual Funds and Factoring and Forfeiting
August	Unit-3: Securitization of Debts and Derivatives Unit- 4:Housing Finance and Consumer Finance
September	Unit-4: Housing Finance and Consumer Finance
October	Unit-5: Depositories and Pledge

Teaching Plan
(Academic Year 2020 - 21)

Semester: I

Class: FYBBI

Subject/Paper Name: PRINCIPLES OF MANAGEMENT

Month	Module	Topics to be covered
June		-
July		-
August	I	Introduction of Management
September	II	Management Process
October	III IV	Organization Structure of Banking and Insurance companies Business Leaders

Teaching Plan
(Academic Year 2020 - 21)

Semester: V

Class: TYBBI

Subject/Paper Name: RESEARCH METHODOLOGY

Month	Modules	Topics to be covered
June		
July		
August	I	Introduction to Research
September	II	Data Collection and Processing
October	III IV	Advanced Statistical Techniques Research Report

Teaching Plan
(Academic Year 2020 - 21)

Semester: I

Class: FYBBI

Subject/Paper Name: Business Communication I

Month	Topics to be covered
June	-----
July	-----
August	Module I: Theory of Communication
September	Module I: Theory of Communication Module II: Obstacles to Communication in Business World
October	Module II: Obstacles to Communication in Business World Module III: Business Correspondence
November	Module III: Business Correspondence Module IV: Language and Writing Skills
December	Revision (Module I, II, III, IV)



Teaching Plan
(Academic Year 2020 - 21)

Semester: V Class: TYBBI
Subject/Paper Name: Strategic Management

Month	Topics to be covered
June	-----
July	-----
August	Module I: Strategic Management: An Overview
September	Module I: Strategic Management: An Overview Module II: Environment of Strategic Management
October	Module II: Environment of Strategic Management Module III: Levels of Strategic Management
November	Module III: Levels of Strategic Management Module IV: Activating Strategy and Implementation
December	Module V: Strategic Evaluation and Control Revision: I, II, III, IV

Teaching Plan
(Academic Year 2020- 21)

Semester: III

Class: SYBBI

Subject/Paper Name: MANAGEMENT ACCOUNTING

Month	Topics to be covered
June	
July	Module 1: Introduction to Management Accounting Module 2: Financial Statement Analysis
August	Module 2: Financial Statement Analysis Module 3: Working Capital Management
September	Module 3: Working Capital Management
October	Module 4: Management of Profits / Dividend Policy

Teaching Plan
(Academic Year 2020 – 2021)

Semester: I

Class: FYBBI

Subject/Paper Name: Environment and Management of Financial Services

Month	Topics to be covered
June	
July	Unit-1: Introduction to Financial System
August	Unit-2: Phases of Development of Banking and Insurance
September	Unit-3: Management, Regulation and Development
October	Unit-4: Regulatory and Development Framework



Teaching Plan
(Academic Year 2020 – 2021)

Semester: I

Class: FY BBI

Subject/Paper Name: Foundation Course-I

Month	Topics to be covered
June	
July	Unit-1: Overview Of Indian Society
August	Unit-1: Overview Of Indian Society Unit 2: Concept of Disparity 1
September	Unit-3: Concept of Disparity 2 Unit-4: The Indian Constitution
October	Unit-4: The Indian Constitution Unit-5: Significant Aspects of Political Processes

Teaching Plan
(Academic Year 2020 – 2021)

Semester: III

Class: SYBBI

Subject/Paper Name: An Overview Of Banking Sector (FC III)

Month	Topics to be covered
June	
July	Module-1: An Overview of Banking Industry
August	Module-2: Commercial Banking and Customer-Banker Relationship
September	Module-3: Universal Banking and Technology in Banking Sector
October	Module-4: Microfinance and Financial Inclusion

Teaching Plan
(Academic Year 2020 – 2021)

Semester: III

Class: SYBBI

Subject/Paper Name: Organizational Behavior

Month	Topics to be covered
June	
July	Module-1: The Individual Behavior
August	Module-2: The Group Dynamics
September	Module-3: The Organizational Dynamics
October	Module-4: Organization Behavior In Banking and Insurance Sector

Teaching Plan
(Academic Year 2020 - 21)

Semester: III

Class: SYBSc COMPUTER SCIENCE



Subject/Paper Name: CORE JAVA

Month	Topics to be covered
August	The Java Language: Features of Java, Java programming format. The Java Language: Java Tokens, Java Statements, Java Data Types, Typecasting,

	Arrays.
September	OOPS: Introduction, class, object, static keywords, constructors, this keyword, inheritance, super keyword, polymorphism (overloading and overriding), abstraction, encapsulation, abstract classes, interfaces. String Manipulations: String, StringBuffer, StringTokenizer. Packages: Introduction to predefined packages (java.lang, java.util, java.io, java.sql, java.swing), user defined packages, access specifiers. Exception Handling: Introduction, pre-defined exceptions, try-catch-finally, throws, throw, user defined exception examples.
October	Multithreading: Thread creations, thread life cycle, life cycle methods, synchronization, wait(), notify(), notify all() methods. I/O Streams: Introduction, byte-oriented streams, character-oriented streams, File, random access file, serialization. Networking: Introduction, Socket, ServerSocket, client-server communication. Wrapper Classes: Introduction, Byte, Short, Integer, Long, Float, Double, Character, Boolean classes. Collection Framework: Introduction, util-package interfaces, List, Set, Map, List interface & its classes, Set interface & its classes, Map interface & its classes.
November	Inner Classes: Introduction, member inner class, static inner class, local inner class, anonymous inner class. AWT: Introduction, Component, event-delegation-model, listeners, layouts. Individual components: Label, Button, CheckBox, Radio Button, Choice, List, Menu, TextField, TextArea.

Teaching Plan
(Academic Year 2020 - 21)

Semester: III

Class: SYBSc INFORMATION TECHNOLOGY

Subject/Paper Name: PYTHON PROGRAMMING

Month	Topics to be covered
August	Introduction: The Python Programming Language Variables and Expressions Values and Types, Variables, Variable Names and Keywords, Conditional Statements: if, if-else, nested if-else. Looping: for, while, nested loops Control statements: Terminating loops, skipping specific conditions.
September	Functions: Strings: Lists: Tuples and Dictionaries:
October	Files: Text Files, The File Object Attributes, Directories Exceptions: Built-in Exceptions, Handling Exceptions, Exception 12 5 with Arguments, User-defined Exceptions Regular Expressions Classes and Objects: Overview of OOP (Object Oriented Programming), Class Definition, Multithreaded Programming: Modules: Creating the GUI Form and Adding Widgets:
November	Layout Management: Look and Feel Customization: Storing Data in Our MySQL Database GUI.

Semester: V

Teaching Plan
(Academic Year 2020 - 21)
Class: TYBSc Computer Science



Subject/Paper Name: ARTIFICIAL INTELLIGENCE

Month	Topics to be covered
August	What Is AI: Foundations, History and State of the Art of AI. Intelligent Agents: Agents and Environments, Nature of Environments, Structure of Agents. Problem Solving by searching: Problem-Solving Agents, Example Problems
September	Searching for Solutions, Uninformed Search Strategies, Informed (Heuristic) Search Strategies, Heuristic Functions. Problem Solving by searching: Informed (Heuristic) Search Strategies, Heuristic Functions. Learning from Examples: Forms of Learning, Supervised Learning, Learning Decision Trees, Evaluating and Choosing the Best Hypothesis, Theory of Learning. Regression and Classification with Linear Models, Artificial Neural Networks, Nonparametric Models.
October	Learning from Examples: Support Vector Machines, Ensemble Learning, Practical Machine Learning. Learning probabilistic models: Statistical Learning, learning with Complete Data, Learning with Hidden Variables: The EM Algorithm. Reinforcement learning: Passive Reinforcement Learning, Active Reinforcement Learning.
November	Reinforcement learning: Generalization in Reinforcement Learning, Policy Search, Applications of Reinforcement Learning.





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TEACHING PLAN: 2021 – 2022

Semester – I

Class: FYBA

Division: A

Subject / Paper: **Compulsory Hindi**

Name: **Dr. Ansarpasha Shaikh**

Department: **Hindi**

Month	Topics to be covered
June	
July	
August	
September	काव्य सरिता- यूनिट १- व्याख्यान/विश्लेषण ११- १ से ५ तक किवताएँ कथा दर्पण- यूनिट २ - वाचन/व्याख्यान/विश्लेषण ११ - १ से ४ तक कहानियाँ
October	काव्य सरिता- यूनिट ३- व्याख्यान/विश्लेषण ११- ६ से १० तक किवताएँ कथा दर्पण- यूनिट ४ - वाचन/व्याख्यान/विश्लेषण ११ - ५ से ८ तक कहानियाँ
November	यूनिट ५ - क - व्याख्यान/विश्लेषण ८ - पत्र- लेखन ख- व्याख्यान/विश्लेषण ८ - भाषा ज्ञान तथा अनुवाद

Semester – II

Class: FYBA Division: A

Subject / Paper: **Compulsory Hindi**

Month	Topics to be covered
December	1. काव्य सरिता : यूनिट १. व्याख्यान/विश्लेषण ११ - ११ से १५ तक किवताएँ यूनिट २. व्याख्यान/विश्लेषण ११ - १६ से २० तक किवताएँ
January	2. कथा दर्पण : यूनिट ३. व्याख्यान/विश्लेषण ११ - ९ से १२ तक कहानियाँ यूनिट ४. व्याख्यान/विश्लेषण ११ - १३ से १६ तक कहानियाँ
February	यूनिट ५ - क - व्याख्यान/विश्लेषण ८ - निबंध लेखन ख - व्याख्यान/विश्लेषण ८ - भाषा ज्ञान १. लिंग २. वचन ३. पर्यायवाची शब्द ४. विलोमवाची शब्द ५. मुहावरों का वाक्य में प्रयोग तथा संवाद लेखन / अपिठत गद्यांश
March	
April	
May	

TEACHING PLAN: 2021 – 2022

Semester – I

Class: FYBA

Division: A

Subject / Paper: **Hindi Literature**

Name: **Dr. Ansarpasha Shaikh**

Department: **Hindi**



Month	Topics to be covered
June	
July	
August	
September	<p>साहित्य का सामान्य परिचय गद्य के विविध आयाम 1) कथा संचयन : यूनिट -1. (पाठ वाचन, व्याख्या और समीक्षा) व्याख्यान - 15 1.उसने कहा था – चंद्रधर शर्मा 'गुलेरी' 2.परीक्षा – प्रेमचंद 3.चित्र का शीर्षक - यशपाल 4.दिल्ली में एक मौत – कमलेश्वर 5.फैसला – भीष्म साहनी</p>
October	<p>2)गद्य के विविध आयाम - यूनिट-२ (पाठ वाचन, व्याख्या और समीक्षा) व्याख्यान - 15 1.महात्मा गांधी - मेरा विद्यार्थी - काल (आत्मकथा) 2.शांतिप्रिय द्विवेदी - तू तो मुझसे भी अभागा है (रेखाचित्र) 3.हरीशंकर परसाई – सदगुरु का कहना है (व्यंग्य) 4. देवेन्द्रनाथ ठाकुर - शाहजहाँ के आँसू (एकांकी) कथा संचयन यूनिट-३. (पाठ वाचन, व्याख्या और समीक्षा) व्याख्यान –15 6.बहादुर - अमरकांत 7.आस्था के आयाम - मालती जोशी 8.बेटी – मैत्रीय पुष्पा 9.परदेसी - ममता कालिया 10.निर्वासित – सूर्यबाला</p>
November	<p>गद्य के विविध आयाम यूनिट-४. (पाठ वाचन, व्याख्या और समीक्षा) व्याख्यान –15 5. फनीश्वरनाथ रेणु - यशपाल (संस्मरण) 6.विजय कुमार संदेश - मेरी अडमान यात्रा (यात्रावृत्त) 7.समाज सेवा - पदमु लाल पुन्नालाल बक्शी (निबंध) 8.मनमोहन मदारिया – हंसिनी की भविष्यवाणी (लोककथा)</p>

Semester – II

Class: FYBA Division: A

Subject / Paper: Hindi Literature

Month	Topics to be covered
December	<p>उपन्यास साहित्य का स्वरूप और विकास यूनिट-1. (पाठ वाचन और व्याख्या) व्याख्यान - 15 1) जंगल के जुगनू (उपन्यास) - देवेश ठाकुर</p>
January	<p>यूनिट-2. (उपन्यास की समीक्षा) व्याख्यान -15 जंगल के जुगनू (उपन्यास) - देवेश ठाकुर</p>
February	<p>गद्य के विविध आयाम यूनिट-३. (पाठ वाचन, व्याख्या और समीक्षा) व्याख्यान –15 9. रामधारी सिंह दिनकर - नेता नहीं नागरिक चाहिए (निबंध)</p>



	10. महादेवी वर्मा - बदलू (संस्मरण) 11. बनारसीदास चतुर्वेदी - बाईस वर्ष बाद (रेखाचित्र) 12. मोहन राकेश - स्वामी दयानंद (जीवनी)
March	यूनिट-३. (पाठ वाचन, व्याख्या और समीक्षा) व्याख्यान -15 13. शंकर पूणतांबेकर - एक मूर्ति कथा (व्यंग्य) 14. जगदीशचंद्र माथुर - मकड़ी का जाला (एकांकी) 15. गुणाकर मुले - कंप्यूटर नई क्रांति की दस्तक (वैज्ञानिक लेख) 16. अमृत लाल बेगड़ - सौंदर्य की नदी नर्मदा (यात्रावृत्त)
April	
May	

TEACHING PLAN: 2021 – 2022

Semester – III

Class: SYBA

Division: A

Subject / Paper: मध्यकालीन और आधुनिक काव्य UAHIN301

Subject / Paper: प्रयोजनमूलक हिंदी UAHIN302

Name: Dr. Ansarpasha Shaikh

Department: Hindi

Month	Topics to be covered
June	
July	मध्यकाल का सामान्य परिचय आधुनिक काव्य का सामान्य परिचय इकाई-1 - व्याख्यान-04- कबीर, सूरदास (पाठ वाचन एवं व्याख्या)
August	इकाई-२ - व्याख्यान-04- तुलसी, मीराबाई (पाठ वाचन एवं व्याख्या) इकाई-३ - व्याख्यान-04- रहीम, बिहारी (पाठ वाचन एवं व्याख्या) इकाई-४-व्याख्यान ४-प्रयोजनमूलक हिंदी इकाई-५-व्याख्यान ४-कार्यालयीन हिंदी व्यावसायिक पत्र-लेखन इकाई-६-व्याख्यान ४- अनुवाद
September	इकाई-७-व्याख्यान ४- पत्रकारिता इकाई-८ - व्याख्यान-04- आधुनिक काव्य (पाठ वाचन एवं व्याख्या) खंडकाव्य का स्वरूप और विकास इकाई-९-व्याख्यान-04- स्वयंप्रभा (पाठ वाचन एवं व्याख्या) इकाई-१०-व्याख्यान ४- व्यावहारिक अनुवाद एवं पारिभाषिक शब्दावली
October	व्याख्यान-05- पाठालोचन और प्रश्न चर्चा
November	

Semester – IV

Class: SYBA

Division: A

Subject / Paper: मध्यकालीन और आधुनिक काव्य (UAHIN401)

Subject / Paper: जनसंचार माध्यम (UAHIN402)

Month	Topics to be covered
December	व्यंग्य साहित्य का स्वरूप और विकास व्यंग्य वीथी – इकाई-1-व्याख्यान-08- वसीयत से बापू की विरासत निबंध तक (पाठ वाचन एवं व्याख्या) इकाई-2-व्याख्यान-08- बंसी वाले का पुजारी से छुकर चरण भाग्य बनते हैं तक (पाठ वाचन एवं व्याख्या)



January	इकाई-3-व्याख्यान-08- कन्या रत्न के दर्द से ऐनक के बहाने व्यंग्य निबंध तक (पाठ वाचन एवं व्याख्या) इकाई-1-व्याख्यान 8-जनसंचार अर्थ, परिभाषा, स्वरूप और तत्व इकाई-2-व्याख्यान 8- परंपरागत और आधुनिक जनसंचार माध्यम इकाई-3- व्याख्यान 8- जनसंचार - विकास एवं उपयोगिता
February	इकाई-4-व्याख्यान 8-माध्यमोपयोगी लेखन- सामान्य परिचय इकाई-5-व्याख्यान 8-विविध माध्यमोपयोगी लेखन का अभ्यास व्याख्यान-05- पाठालोचन और प्रश्न चर्चा शकुंतिका (उपन्यास) : लेखक – भगवानदास मोरवाल
March	इकाई-4-व्याख्यान-08- उपन्यास (पाठ वाचन एवं व्याख्या) इकाई-5-व्याख्यान-08- उपन्यास (पाठ वाचन एवं व्याख्या) व्याख्यान-05- पाठालोचन और प्रश्न चर्चा
April	
May	

TEACHING PLAN: 2021 – 2022

Semester – V

Class: TYBA

Division: A

Subject / Paper: आदिकालीन हिंदी साहित्य का इतिहास (UAHIN501)

Subject / Paper: स्वातंत्रोत्तर हिंदी साहित्य (UAHIN502)

Subject / Paper: हिंदी में सूचना प्रौद्योगिकी (UAHIN503)

Name: Dr. Ansarpasha Shaikh

Department: Hindi

Month	Topics to be covered
June	
July	इकाई- I हिंदी साहित्य का इतिहास – ● हिंदी साहित्य का काल-विभाजन ● हिंदी साहित्य का नामकरण इकाई- II आदिकालीन – ● आदिकालीन हिंदी साहित्य की पृष्ठभूमि ● सिद्ध, नाथ, जैन एवं रासो साहित्य की प्रमुख विशेषताएँ इकाई- III भक्तिकाल – ● भक्तिकालीन हिंदी साहित्य की पृष्ठभूमि ● संत काव्य, सूफी काव्य, रामभक्त काव्य, कृष्णभक्त काव्य की सामान्य विशेषताएँ
August	इकाई- IV रीतिकाल – ● रीतिकालीन हिंदी साहित्य की पृष्ठभूमि ● रीतिबद्ध, रीतिसिद्ध एवं रीतिमुक्त काव्य की प्रमुख प्रवृत्तियाँ इकाई- I स्वातंत्रोत्तर हिंदी साहित्य ● नाटक : अर्थ, परिभाषा, स्वरूप एवं विकास ● नाटक के तत्व एवं प्रकार इकाई-II निर्धारित पाठ्य-पुस्तक – ● काला पत्थर – (नाटक): डॉ. सुरेश शुक्ल 'चंद्र' अमन प्रकाशन, कानपुर इकाई- III ● एकांकी : अर्थ, परिभाषा, स्वरूप एवं विकास ● नाटक और एकांकी में साम्य-वैषम्य



	<p>इकाई- IV निर्धारित पाठ्य-पुस्तक –</p> <ul style="list-style-type: none"> एकांकी-सुमन (एकांकी-संग्रह) संपादन: हिंदी अध्ययन मंडल, मुंबई विश्वविद्यालय, मुंबई, वाणी प्रकाशन 4695, 21-ए, दररयागंज, नई दिल्ली
September	<p>हिंदी में सूचना प्रौद्योगिकी</p> <p>इकाई- I</p> <ul style="list-style-type: none"> सूचना प्रौद्योगिकी : अर्थ, परिभाषा, स्वरूप एवं विकास सूचना प्रौद्योगिकी: समस्याएँ, सीमाएँ और चुनौतियाँ सूचना प्रौद्योगिकी: सकारात्मक और नकारात्मक प्रभाव <p>इकाई- II</p> <ul style="list-style-type: none"> सूचना प्रौद्योगिकी का व्यवहार क्षेत्र : सामान्य परिचय सूचना प्रौद्योगिकी का जनसंचार के क्षेत्र में योगदान और महत्व सूचना प्रौद्योगिकी : शिक्षा के क्षेत्र में उपादेयता <p>इकाई-III</p> <ul style="list-style-type: none"> सूचना प्रौद्योगिकी: हिंदी भाषा और देवनागरी लिपि का वैश्विक प्रयोग सूचना प्रौद्योगिकी: हिंदी सॉफ्टवेयर परिचय, अनुप्रयोग और महत्व सूचना प्रौद्योगिकी के क्षेत्र में हिंदी भाषा और देवनागरी लिपि का वैश्विक प्रयोग में विविध संस्थानों की भूमिका/योगदान (राजभाषा विभाग, केन्द्रीय हिंदी संस्थान, आगरा, सी-डैक पुणे, भारतीय प्रौद्योगिकी संस्थान)
October	<p>इकाई- IV</p> <ul style="list-style-type: none"> इन्टरनेट और हिंदी (यूनिकोड फॉण्ट परिवर्तक, देवनागरी लिपि टायपिंग टूल, हिंदी में ईमेल, नेट पर हिंदी विज्ञापन, हिंदी की साहित्यिक ई-पत्रिकाएं, हिंदी ब्लॉग) भारत में डिजिटलाइजेशन और हिंदी सूचना प्रौद्योगिकी के क्षेत्र में हिंदी आधारित रोजगार की संभावनाएं प्रकल्प – 20 अंक
November	

TEACHING PLAN: 2021 – 2022

Semester – VI

Class: TYBA

Division: A

Subject / Paper: आधुनिक हिंदी साहित्य का इतिहास (UAHIN601)

Subject / Paper: स्वातंत्रोत्तर हिंदी साहित्य (UAHIN602)

Subject / Paper: सोशल मिडिया (UAHIN603)

Month	Topics to be covered
December	<p>इकाई- I (क) आधुनिक हिंदी कविता का विकास</p> <ul style="list-style-type: none"> आधुनिक काल – हिंदी साहित्य की पृष्ठभूमि एवं प्रवृत्तियों का सामान्य परिचय भारतेन्दु युग द्विवेदी युग छायावाद <p>इकाई- II</p> <ul style="list-style-type: none"> प्रगवतिवाद प्रयोगवाद नई कविता



	<ul style="list-style-type: none"> ● समकालीन कविता <p>इकाई- III (ख) आधुनिक हिंदी साहित्य के गद्य विधाओं का विकास-</p> <ul style="list-style-type: none"> ● उपन्यास ● कहानी ● आलोचना <p>इकाई- IV</p> <ul style="list-style-type: none"> ● आत्मकथा ● जीवनी ● संस्मरण
January	<p>स्वातंत्रोत्तर हिंदी साहित्य</p> <p>इकाई-I</p> <ul style="list-style-type: none"> ● कविता : अर्थ, परिभाषा, स्वरूप एवं विकास ● स्वातंत्रोत्तर हिंदी कविता : संवेदना और शिल्प <p>इकाई-II निर्धारित पाठ्यपुस्तक -</p> <ul style="list-style-type: none"> ● काव्य-सौरभ (कविता-संग्रह)- संपादन: हिंदी अध्ययन मंडल, मुंबई विश्वविद्यालय, मुंबई, राजकमल प्रकाशन, दररयागंज, नई दिल्ली <p>इकाई-III</p> <ul style="list-style-type: none"> ● निबंध : अर्थ, परिभाषा, भेद और तत्त्व ● हिंदी निबंध साहित्य का विकास
February	<p>इकाई-IV निर्धारित पाठ्यपुस्तक -</p> <ul style="list-style-type: none"> ● निबंध-विविधा (निबंध-संग्रह)- संपादन: हिंदी अध्ययन मंडल, मुंबई विश्वविद्यालय, मुंबई, नयी किताब प्रकाशन, दररयागंज, नई दिल्ली <p>सोशल मीडिया</p> <p>इकाई- I</p> <ul style="list-style-type: none"> ● सोशल मीडिया मीडिया: अर्थ, स्वरूप और विकास ● सोशल मीडिया का व्तिहार क्षेत्र और महत्व ● सोशल मीडिया: चुनौतियाँ और संभावनाएँ <p>इकाई- II</p> <ul style="list-style-type: none"> ● सोशल मीडिया में हिंदी भाषा एवं देवनागरी लिपि का प्रयोग तथा हिंदी का बदलता रूप (फेसबुक, व्हाट्सअप, ट्विटर, मैसेन्जर, इन्स्टाग्राम, यूट्यूब) ● सोशल मीडिया : शिक्षा के क्षेत्र में उपादेयता ● सोशल मिडिया: हिंदी का प्रयोग और रोजगार की संभावनाएँ
March	<p>इकाई- III</p> <ul style="list-style-type: none"> ● सोशल मीडिया के प्रभाव (राजनीतिक, सामाजिक, आर्थिक और सांस्कृतिक) ● सोशल मीडिया: बदलता भारतीय परिवेश (बाल, युवाओं , महिलाओं और वृद्धों के संदभा में) ● सोशल मीडिया का जीवन - मूल्यों पर प्रभाव <p>इकाई- IV</p> <ul style="list-style-type: none"> ● सोशल मीडिया और कानून ● सोशल मीडिया और मुक्त अभिव्यक्ति तथा दायित्वबोध ● सोशल मीडिया की वैश्विक व्याप्ति <p>प्रकल्प का नियोजन - 20 अंक</p>
April	<p>संदर्भित पाठ्यक्रम पर पाठालोचन और प्रश्न चर्चा</p>



Teaching Plan

(Academic Year 2021 - 22)

Semester: III**Class: SYBSc COMPUTER SCIENCE****Subject/Paper Name: CORE JAVA**

Month	Topics to be covered
June	The Java Language: Features of Java, Java programming format.
July	The Java Language: Java Tokens, Java Statements, Java Data Types, Typecasting, Arrays. OOPS: Introduction, class, object, static keywords, constructors, this keyword, inheritance, super keyword, polymorphism (overloading and overriding), abstraction, encapsulation, abstract classes, interfaces. String Manipulations: String, StringBuffer, StringTokenizer. Packages: Introduction to predefined packages (java.lang, java.util, java.io, java.sql, java.swing), user defined packages, access specifiers.
August	Exception Handling: Introduction, pre-defined exceptions, try-catch-finally, throws, throw, user defined exception examples. Multithreading: Thread creations, thread life cycle, life cycle methods, synchronization, wait(), notify(), notify all() methods. I/O Streams: Introduction, byte-oriented streams, character-oriented streams, File, random access file, serialization. Networking: Introduction, Socket, ServerSocket, client-server communication. Wrapper Classes: Introduction, Byte, Short, Integer, Long, Float, Double, Character, Boolean classes.
September	Collection Framework: Introduction, util-package interfaces, List, Set, Map, List interface & its classes, Set interface & its classes, Map interface & its classes. Inner Classes: Introduction, member inner class, static inner class, local inner class, anonymous inner class. AWT: Introduction, Component, event-delegation-model, listeners, layouts. Individual components: Label, Button, CheckBox, Radio Button, Choice, List, Menu, TextField, TextArea.

Teaching Plan

(Academic Year 2021 - 22)

Semester: III**Class: SYBSc INFORMATION TECHNOLOGY****Subject/Paper Name: PYTHON PROGRAMMING**

Month	Topics to be covered
June	Introduction: The Python Programming Language Variables and Expressions Values and Types, Variables, Variable Names and Keywords,
July	Conditional Statements: if, if-else, nested if –else. Looping: for, while, nested loops Control statements: Terminating loops, skipping specific conditions. Functions: Strings:
August	Lists: Tuples and Dictionaries: Files: Text Files, The File Object Attributes, Directories Exceptions: Built-in Exceptions, Handling Exceptions, Exception 12 5 with Arguments, User-defined Exceptions Regular Expressions Classes and Objects: Overview of OOP (Object Oriented Programming), Class Definition, Multithreaded Programming:
September	Modules: Creating the GUI Form and Adding Widgets: Layout Management: Look and Feel Customization:



Teaching Plan

(Academic Year 2021 - 22)

Semester: V**Class: TYBSc Computer Science****Subject/Paper Name: ARTIFICIAL INTELLIGENCE**

Month	Topics to be covered
June	What Is AI: Foundations, History and State of the Art of AI.
July	Intelligent Agents: Agents and Environments, Nature of Environments, Structure of Agents. Problem Solving by searching: Problem-Solving Agents, Example Problems Searching for Solutions, Uninformed Search Strategies, Informed (Heuristic) Search Strategies, Heuristic Functions. Problem Solving by searching: Informed (Heuristic) Search Strategies, Heuristic Functions.
August	Learning from Examples: Forms of Learning, Supervised Learning, Learning Decision Trees, Evaluating and Choosing the Best Hypothesis, Theory of Learning. Regression and Classification with Linear Models, Artificial Neural Networks, Nonparametric Models. Support Vector Machines, Ensemble Learning, Practical Machine Learning.
September	Learning probabilistic models: Statistical Learning, learning with Complete Data, Learning with Hidden Variables: The EM Algorithm. Reinforcement learning: Passive Reinforcement Learning, Active Reinforcement Learning. Generalization in Reinforcement Learning, Policy Search, Applications of Reinforcement Learning.

TEACHING PLAN: 2021 – 2022**Semester – I****Class: FYBA****Division: A**

Subject / Paper: COMMUNICATION SKILLS IN ENGLISH, paper-I

Name: COMMUNICATION SKILLS IN ENGLISH (UACS101 & UACS 201)

Department: English

Faculty: **Mehvish**

Month	Topics to be covered
June	NA
July	NA
August	Introduction to Communication Skills
September	Developing Comprehension Skills in English
October	Speaking Skills in English
November	Formal Writing Skills

Semester – II Class: FYBA**Division: A**

Subject / Paper: COMMUNICATION SKILLS IN ENGLISH, paper-II

Month	Topics to be covered
December	---
January	English Usage in Communication
February	Enhancing Reading Competencies
March	Advanced Oral communication skills
April	Advanced writing skills
May	-----

TEACHING PLAN: 2021 – 2022**Semester – III****Class: SYBA****Division: A**

Subject / Paper: English Literature, paper-UAENG302

Name: Introduction to American Literature

Department: English



Month	Topics to be covered
June	NA
July	Background

August	Literary Terms
September	Short Stories 1, 2 &3
October	Short Stories-4, 5,&6
November	The Novel- Old Man and the Sea

Semester – IV

Class: SYBA

Division: A

Subject / Paper: English Literature, paper-UAENG302

Month	Topics to be covered
December	---
January	Background and Literary Terms
February	The Play –Death of a Salesman
March	The Play –Death of a Salesman
April	All the poems by Sylvia Plath
May	All the poems by Langston Hughes

Signature of Faculty

Name Bhaswati Parasar

TEACHING PLAN: 2021 – 2022

Semester – V

Class: TYBA

Division: A

Subject / Paper: English Literature, paper-UAENG501

Name: 16th -18th Century Eng. Literature

Department: English

Month	Topics to be covered
June	NA
July	Background
August	Literary Terms
September	Sir Philip Sydney's Astrophel and Stella
October	Shakespearean Sonnets
November	Spencer's Eclogues

Semester – VI

Class: TYBA

Division: A

Subject / Paper: English Literature, paper-UAENG501

Month	Topics to be covered
December	---
January	Background and Literary Terms, Metaphysical Poetry
February	Pope's Rape of the Lock
March	Dryden's Fire of London
April	Milton's Paradise Lost
May	Revision

Signature of Faculty

Name Bhaswati Parasar

Dr.

TEACHING PLAN: 2021 – 2022

Semester – V

Class: TYBA

Division: A

Subject / Paper: English Literature, paper-UAENG502

Name: Literary Criticism

Department: English

Month	Topics to be covered
June	NA
July	Unit 1 - Background
August	Unit 1 -Literary Terms
September	Unit II-Nature and Functions of Literature
October	Unit III- Nature and Functions of Literary Criticism
November	Unit IV-Prosody

Semester – VI

Class: TYBA

Division: A

Subject / Paper: English Literature, paper-UAENG502

Month	Topics to be covered
December	---
January	Unit I-Background and Literary Terms
February	Unit II- Literary Movements
March	Unit III- Critical Approaches
April	Unit IV- Practical Criticism
May	Revision



TEACHING PLAN: 2021 – 2022

Semester –I Class: FYBAF Division:

Subject / Paper: Foundation Course-I

Name: Mrs. Bushra Qureshi

Department: BAF

Month	Topics to be covered
June	-----
July	Unit-1: Overview of Indian Society
August	Unit 2: Concept of Disparity 1
September	Unit-3: Concept of Disparity 2
October	Unit-4: The Indian Constitution
November	Unit-5: Significant Aspects of Political Processes

TEACHING PLAN: 2021 – 2022

Semester –I Class: FYBBI Division:

Subject / Paper: Environment and Management of Financial Services

Name: Mrs. Bushra Qureshi

Department: BBI

Month	Topics to be covered
June	-----
July	Unit-1: Introduction to Financial System
August	Unit-2: Phases of Development of Banking and Insurance
September	Unit-3: Management, Regulation and Development
October	Unit-4: Regulatory and Development Framework of Banking & Insurance
November	Unit-4: Regulatory and Development Framework of Banking & Insurance

Semester – Class: Division: Subject / Paper:

Month	Topics to be covered
December	
January	
February	
March	
April	
May	

TEACHING PLAN: 2021 – 2022

Semester –I Class: FYBBI Division:

Subject / Paper: Foundation Course-I

Name: Mrs. Bushra Qureshi

Department: BBI

Month	Topics to be covered
June	-----
July	Unit-1: Overview of Indian Society
August	Unit 2: Concept of Disparity 1
September	Unit-3: Concept of Disparity 2
October	Unit-4: The Indian Constitution
November	Unit-5: Significant Aspects of Political Processes

TEACHING PLAN: 2021 – 2022

Semester –III Class: SYBBI Division:

Subject / Paper: FC-III (An Overview of Banking Sector)

Name: Mrs. Bushra Qureshi

Department: BBI

Month	Topics to be covered
June	-----
July	Module-1: An Overview of Banking Industry
August	Module-2: Commercial Banking and Customer-Banker Relationship
September	Module-3: Universal Banking and Technology in Banking



	Sector
October	Module-3: Universal Banking and Technology in Banking Sector
November	Module-4: Microfinance and Financial Inclusion

TEACHING PLAN: 2021 – 2022

Semester –III Class: SYBBI Division:

Subject / Paper: **Organizational Behaviour**

Name: **Mrs. Bushra Qureshi**

Department: **BBI**

Month	Topics to be covered
June	-----
July	Module-1: The Individual Behaviour
August	Module-2: The Group Dynamics
September	Module-3: The Organizational Dynamics
October	Module-4: Organization Behaviour In Banking and Insurance Sector
November	Module-4: Organization Behaviour In Banking and Insurance Sector

TEACHING PLAN: 2021 – 2022

Semester – V Class: TYBBI Division:

Subject / Paper: **Business Ethics and Corporate Governance**

Name: **Mrs. Bushra Qureshi**

Department: **BBI**

Month	Topics to be covered
June	-----
July	Unit-1: Introduction to Business Ethics
August	Unit-2: Application of Ethical Theories in Business
September	Unit-3: Introduction to Corporate Governance
October	Unit-4: Genesis and Implementation of Corporate Governance in India
November	Unit-5: Global Scenario

TEACHING PLAN: 2021 – 2022

Semester –V Class: TYBSC Division: A

Name: Mrs. Farhana Khalidwali

Department: Chemistry

Subject / Paper: Organic Chemistry-Paper-III

Semester	Month	Topics to be covered
V	July-August	Organic synthesis
V	September	Natural products
V	October	Spectroscopy-I
V	Nov	Natural products + Spectroscopy-I + Practice of reactions + Solving of Question papers + online test + solving MCQs

Subject / Paper: Applied component – Drugs-Paper-V

Semester	Month	Topics to be covered
V	August	General introduction to drugs
V	September	Routes of Drug Administration & Dosage forms
V	October	Pharmacodynamic Agents
V	Nov	Pharmacodynamic Agents + Assignments-Practice+ Solving of Question papers

TEACHING PLAN: 2021 – 2022

Semester –VI Class: TYBSc Division:A

Name: Mrs. Farhana Khalidwali



Department: Chemistry.
Subject / Paper: Organic Chemistry-Paper-III

Semester	Month	Topics to be covered
VI	Dec	Carbohydrates
VI	Jan	Spectroscopy-II
VI	Feb	Amino acids & Proteins + Nucleic acids
VI	March	Nucleic acids + Practice of reactions + Solving of Question papers + online test + solving MCQs
VI	April	Revision and solving doubts

Subject / Paper: Applied component – Drugs-Paper-V

Semester	Month	Topics to be covered
VI	Dec	Drug discovery Design & development
VI	Jan	Drug Metabolism
VI	Feb	Chemotherapeutic Agents
VI	March	Chemotherapeutic Agents
VI	April	Assignments-Practice + Solving of Question papers

TEACHING PLAN: 2021 – 2022

Semester –V

Class: TYBSC

Division: A

Name: Mrs. Farhana Khalidwali
Department: Chemistry
Subject / Paper: Organic Chemistry-Paper-III

Semester	Month	Topics to be covered
V	July-August	Organic synthesis
V	Aug-Sept	Natural products
V	Sept-Oct	Spectroscopy-I
V	Oct	Natural products + Spectroscopy-I + Practice of reactions + Solving of Question papers + online test + solving MCQs

Subject / Paper: Applied component – Drugs-Paper-V

Semester	Month	Topics to be covered
V	July-August	General introduction to drugs
V	Aug-Sept	Routes of Drug Administration & Dosage forms
V	Sept-Oct	Pharmacodynamic Agents
V	Oct	Pharmacodynamic Agents + Assignments-Practice+ Solving of Question papers

TEACHING PLAN: 2021 – 2022

Semester –VI

Class: TYBSc

Division:A

Name: Mrs. Farhana Khalidwali
Department: Chemistry.
Subject / Paper: Organic Chemistry-Paper-III



Semester	Month	Topics to be covered
VI	Nov-Dec	Carbohydrates
VI	Jan	Spectroscopy-II
VI	Feb	Amino acids & Proteins + Nucleic acids
VI	Mar	Nucleic acids + Practice of reactions + Solving of Question papers + online test + solving MCQs
VI	April	Revision and solving doubts

Semester	Month	Topics to be covered
VI	Nov-Dec	Drug discovery Design & development
VI	Jan	Drug Metabolism
VI	Feb	Chemotherapeutic Agents
VI	Mar	Chemotherapeutic Agents
VI	April	Assignments-Practice + Solving of Question papers

TEACHING PLAN: 2021 – 2022Semester – **III** Class: **SYIT** Division:

Subject / Paper: Data Structures

Name: Hina Mahmood

Department: IT

Month	Topics to be covered
June	
July	<p>Introduction: Data and Information, Data Structure, Classification of Data Structures, Primitive Data Types, Abstract Data Types, Data structure vs. File Organization, Operations on Data Structure, Algorithm, Importance of Algorithm Analysis, Complexity of an Algorithm, Asymptotic Analysis and Notations, Big O Notation, Big Omega Notation, Big Theta Notation, Rate of Growth and Big O Notation.</p> <p>Array: Introduction, One Dimensional Array, Memory Representation of One Dimensional Array, Traversing, Insertion, Deletion, Searching, Sorting, Merging of Arrays, Multidimensional Arrays, Memory Representation of Two Dimensional Arrays, General MultiDimensional Arrays, Sparse Arrays, Sparse Matrix, Memory Representation of Special kind of Matrices, Advantages and Limitations of Arrays.</p> <p>Linked List: Linked List, One-way Linked List, Traversal of Linked List, Searching, Memory Allocation and De-allocation, Insertion in Linked List, Deletion from Linked List, Copying a List into Other List, Merging Two Linked Lists, Splitting a List into Two Lists, Reversing One way linked List, Circular Linked List, Applications of Circular Linked List, Two way Linked List, Traversing a Two way Linked List, Searching in a Two way linked List, Insertion of an element in Two way Linked List, Deleting a node from Two way Linked List, Header Linked List, Applications of the Linked list, Representation of Polynomials, Storage of Sparse Arrays, Implementing other Data Structures.</p>
August	<p>Stack: Introduction, Operations on the Stack Memory Representation of Stack, Array Representation of Stack, Applications of Stack, Evaluation of Arithmetic Expression, Matching Parenthesis, infix and postfix operations, Recursion.</p> <p>Queue: Introduction, Queue, Operations on the Queue, Memory Representation of Queue, Array representation of queue, Linked List Representation of Queue, Circular Queue, Some special kinds of queues, Deque, Priority Queue, Application of Priority Queue, Applications of Queues.</p> <p>Sorting and Searching Techniques Bubble, Selection, Insertion, Merge Sort. Searching: Sequential, Binary, Indexed Sequential Searches, Binary Search.</p> <p>Tree: Tree, Binary Tree, Properties of Binary Tree, Memory Representation of Binary Tree, Operations Performed on Binary Tree, Reconstruction of Binary Tree from its Traversals, Huffman Algorithm, Binary Search Tree, Operations on Binary Search Tree, Heap, Memory Representation of Heap, Operation on Heap, Heap Sort.</p>



	Advanced Tree Structures: Red Black Tree, Operations Performed on Red Black Tree, AVL Tree, Operations performed on AVL Tree, 23 Tree, B-Tree.
September	Hashing Techniques Hash function, Address calculation techniques, Common hashing functions Collision resolution, Linear probing, Quadratic, Double hashing, Bucket hashing, Deletion and rehashing Graph: Introduction, Graph, Graph Terminology, Memory Representation of Graph, Adjacency Matrix Representation of Graph, Adjacency List or Linked Representation of Graph, Operations Performed on Graph, Graph Traversal, Applications of the Graph, Reachability, Shortest Path Problems, Spanning Trees
October	
November	

TEACHING PLAN: 2021 – 2022

Semester – V Class: TYIT Division:

Subject / Paper: Enterprise Java

Name: Hina Mahmood

Department: IT

Month	Topics to be covered
June	
July	Understanding Java EE: What is an Enterprise Application? What is java enterprise edition? Java EE Technologies, Java EE evolution, Glassfish server Java EE Architecture, Server and Containers: Types of System Architecture, Java EE Server, Java EE Containers. Introduction to Java Servlets: The Need for Dynamic Content, Java Servlet Technology, Why Servlets? What can Servlets do? Servlet API and Lifecycle: Java Servlet API, The Servlet Skeleton, The Servlet Life Cycle, A Simple Welcome Servlet Working With Servlets: Getting Started, Using Annotations Instead of Deployment Descriptor. Working with Databases: What Is JDBC? JDBC Architecture, Accessing Database, The Servlet GUI and Database Example
August	Request Dispatcher: Resquestdispatcher Interface, Methods of Requestdispatcher, Requestdispatcher Application. COOKIES: Kinds Of Cookies, Where Cookies Are Used? Creating Cookies Using Servlet, Dynamically Changing The Colors Of A Page SESSION: What Are Sessions? Lifecycle Of Http Session, Session Tracking With Servlet API, A Servlet Session Example Working With Files: Uploading Files, Creating an Upload File Application, Downloading Files, Creating a Download File Application. Working With Non-Blocking I/O: Creating a Non-Blocking Read Application, Creating The Web Application, Creating Java Class, Creating Servlets, Retrieving The File, Creating index.jsp Introduction To Java Server Pages: Why use Java Server Pages? Disadvantages Of JSP, JSP v\s Servlets, Life Cycle of a JSP Page, How does a JSP function? How does JSP execute? About Java Server Pages Getting Started With Java Server Pages: Comments, JSP Document, JSP Elements, JSP GUI Example. Action Elements: Including other Files, Forwarding JSP Page to Another Page, Passing Parameters for other Actions, Loading a Javabean. Implicit Objects, Scope And El Expressions: Implicit Objects, Character Quoting Conventions, Unified Expression Language [Unified El], Expression Language. Java Server Pages Standard Tag Libraries: What is wrong in using JSP Scriptlet Tags? How JSTL Fixes JSP Scriptlet's Shortcomings? Disadvantages Of JSTL, Tag Libraries.
September	Introduction To Enterprise Javabeans: Enterprise Bean



	<p>Architecture, Benefits of Enterprise Bean, Types of Enterprise Bean, Accessing Enterprise Beans, Enterprise Bean Application, Packaging Enterprise Beans Working With Session Beans: When to use Session Beans? Types of Session Beans, Remote and Local Interfaces, Accessing Interfaces, Lifecycle of Enterprise Beans, Packaging Enterprise Beans, Example of Stateful Session Bean, Example of Stateless Session Bean, Example of Singleton Session Beans. Working with Message Driven Beans: Lifecycle of a Message Driven Bean, Uses of Message Driven Beans, The Message Driven Beans Example. Interceptors: Request And Interceptor, Defining An Interceptor, AroundInvoke Method, Applying Interceptor, Adding An Interceptor To An Enterprise Bean, Build and Run the Web Application. Java Naming and Directory Interface: What is Naming Service? What is Directory Service? What is Java Naming and Directory interface? Basic Lookup, JNDI Namespace in Java EE, Resources and JNDI, Datasource Resource Definition in Java EE.</p> <p>Persistence, Object/Relational Mapping And JPA: What is Persistence? Persistence in Java, Current Persistence Standards in Java, Why another Persistence Standards? Object/Relational Mapping, Introduction to Java Persistence API: The Java Persistence API, JPA, ORM, Database and the Application, Architecture of JPA, How JPA Works? JPA Specifications. Writing JPA Application: Application Requirement Specifications, Software Requirements, The Application Development Approach, Creating Database And Tables in Mysql, Creating a Web Application, Adding the Required Library Files, Creating a Javabeen Class, Creating Persistence Unit [Persistence.Xml], Creating JSPS, The JPA Application Structure, Running The JPA Application. Introduction to Hibernate: What is Hibernate? Why Hibernate? Hibernate, Database and The Application, Components of Hibernate, Architecture of Hibernate, How Hibernate Works? Writing Hibernate Application: Application Requirement Specifications, Software Requirements, The Application Development Approach, Creating Database and Tables in Mysql, Creating a Web Application, Adding The Required Library Files, Creating a Javabeen Class, Creating Hibernate Configuration File, Adding a Mapping Class, Creating JSPS, Running The Hibernate Application</p>
October	
November	

TEACHING PLAN: 2021 – 2022

Semester – V

Class: TYIT

Division:

Subject / Paper: Software Project Management

Name: Hina Mahmood

Department: IT



Month	Topics to be covered
June	
July	<p>Unit 1 Introduction to Software Project Management: Introduction, Why is Software Project Management Important? What is a Project? Software Projects versus Other Types of Project, Contract Management and Technical Project Management, Activities Covered by Software Project Management, Plans, Methods and Methodologies, Some Ways of Categorizing Software Projects, Project Charter, Stakeholders, Setting Objectives, The Business Case, Project Success and Failure, What is Management? Management Control, Project Management Life Cycle, Traditional versus</p>

	<p>Modern Project Management Practices. Project Evaluation and Programme Management: Introduction, Business Case, Project Portfolio Management, Evaluation of Individual Projects, Cost-benefit Evaluation Techniques, Risk Evaluation, Programme Management, Managing the Allocation of Resources within Programmes, Strategic Programme Management, Creating a Programme, Aids to Programme Management, Some Reservations about Programme Management, Benefits Management. An Overview of Project Planning : Introduction to Step Wise Project Planning, Step 0: Select Project, Step 1: Identify Project Scope and Objectives, Step 2: Identify Project Infrastructure, Step 3: Analyse Project Characteristics, Step 4: Identify Project Products and Activities, Step 5: Estimate Effort for Each Activity, Step 6: Identify Activity Risks, Step 7: Allocate Resources, Step 8: Review/Publicize Plan, Steps 9 and 10: Execute Plan/Lower Levels of Planning</p>
<p>August</p>	<p>Selection of an Appropriate Project Approach: Introduction, Build or Buy? Choosing Methodologies and Technologies, Software Processes and Process Models, Choice of Process Models, Structure versus Speed of Delivery, The Waterfall Model, The Spiral Model, Software Prototyping, Other Ways of Categorizing Prototypes, Incremental Delivery, Atern/Dynamic Systems Development Method, Rapid Application Development, Agile Methods, Extreme Programming (XP), Scrum, Lean Software Development, Managing Iterative Processes, Selecting the Most Appropriate Process Model. Software Effort Estimation: Introduction, Where are the Estimates Done? Problems with Over- and Under-Estimates, The Basis for Software Estimating, Software Effort Estimation Techniques, Bottomup Estimating, The Top-down Approach and Parametric Models, Expert Judgement, Estimating by Analogy, Albrecht Function Point Analysis, Function Points Mark II, COSMIC Full Function Points, COCOMO II: A Parametric Productivity Model, Cost Estimation, Staffing Pattern, Effect of Schedule Compression, Capers Jones Estimating Rules of Thumb. Activity Planning: Introduction, Objectives of Activity Planning, When to Plan, Project Schedules, Projects and Activities, Sequencing and Scheduling Activities, Network Planning Models, Formulating a Network Model, Adding the Time Dimension, The Forward Pass, Backward Pass, Identifying the Critical Path, Activity Float, Shortening the Project Duration, Identifying Critical Activities, Activity-on-Arrow Networks. Risk Management: Introduction, Risk, Categories of Risk, Risk Management Approaches, A Framework for Dealing with Risk, Risk Identification, Risk Assessment, Risk Planning, Risk Management, Evaluating Risks to the Schedule, Boehm's Top 10 Risks and Counter Measures, Applying the PERT Technique, Monte Carlo Simulation, Critical Chain Concepts. Resource Allocation: Introduction, Nature of Resources, Identifying Resource Requirements, Scheduling Resources, Creating Critical Paths, Counting the Cost, Being Specific, Publishing the Resource Schedule, Cost Schedules, Scheduling Sequence.</p>
<p>September</p>	<p>Monitoring and Control: Introduction, Creating the Framework, Collecting the Data, Review, Visualizing Progress, Cost Monitoring, Earned Value Analysis, Prioritizing Monitoring, Getting the Project Back to Target, Change Control, Software Configuration Management (SCM). Managing Contracts: Introduction, Types of Contract, Stages in Contract Placement, Typical Terms of a Contract, Contract Management, Acceptance. Managing People in Software Environments:</p>



	<p>Introduction, Understanding Behaviour, Organizational Behaviour: A Background, Selecting the Right Person for the Job, Instruction in the Best Methods, Motivation, The Oldham–Hackman Job Characteristics Model, Stress, Stress Management, Health and Safety, Some Ethical and Professional Concerns</p> <p>Working in Teams: Introduction, Becoming a Team, Decision Making, Organization and Team Structures, Coordination Dependencies, Dispersed and Virtual Teams, Communication Genres, Communication Plans, Leadership. Software Quality : Introduction, The Place of Software Quality in Project Planning, Importance of Software Quality, Defining Software Quality, Software Quality Models, ISO 9126, Product and Process Metrics, Product versus Process Quality Management, Quality Management Systems, Process Capability Models, Techniques to Help Enhance Software Quality, Testing, Software Reliability, Quality Plans</p> <p>Project Closeout: Introduction, Reasons for Project Closure, Project Closure Process, Performing a Financial Closure, Project Closeout Report.</p>
October	
November	

TEACHING PLAN: 2021 – 2022

Semester – III

Class: SY CS

Division: A

Subject / Paper: Theory of Computation

Name: Javedkha Asifkha Pathan

Department: Computer Science

Month	Topics to be covered
June	Automata Theory: Defining Automaton, Finite Automaton, Transition and Its properties, Acceptability by Finite Automaton, Nondeterministic Finite State Machines.
July	DFA and N DFA equivalence, Mealy and Moore Machines, Minimization. Formal Languages: Defining Grammar, Derivations, Language generated by Grammar, Chomsky Classification of Grammar and Languages, Recursive Enumerable Sets, Operations on Languages, Languages and Automata
August	Regular Sets and Regular Grammar: Regular Grammar, Regular Expressions, Finite automata and Regular Expressions, Pumping Lemma and its Applications, Closure Properties, Regular Sets and Regular Grammar Context Free Languages: Context-free Languages, Derivation Tree, Ambiguity of Grammar, CFG simplification, Normal Forms, Pumping Lemma for CFG
September	Pushdown Automata: Definitions, Acceptance by PDA, PDA and CFG Linear Bound Automata: The Linear Bound Automata Model, Linear Bound Automata and Languages.
October	Turing Machines: Turing Machine Definition, Representations, Acceptability by Turing Machines, Designing and Description of Turing Machines, Turing Machine Construction, Variants of Turing Machine,
November	Undecidability: The Church-Turing thesis, Universal Turing Machine, Halting Problem, Introduction to Unsolvable Problems

TEACHING PLAN: 2021 – 2022

Semester – III

Class: SY CS

Division: A

Subject / Paper: Web Programming

Name: Javedkha Asifkha Pathan

Department: Computer Science



Month	Topics to be covered
June	HTML5: Fundamental Elements of HTML, Formatting Text, Organizing text in HTML, Links and URLs in HTML, Tables, Images on a Web Page, Image Formats, Image Maps, Colors, FORMs, Interactive Elements, Working with Multimedia - Audio and Video File Formats, HTML elements for inserting Audio / Video on a web page
July	CSS: Understanding the Syntax of CSS, CSS Selectors, Inserting CSS in an HTML Document, CSS properties to work with background of a Page, CSS properties to

	work with Fonts and Text Styles, CSS properties for positioning an element
August	JavaScript: Using JavaScript in an HTML Document, Programming Fundamentals of JavaScript – Variables, Operators, Control Flow Statements, Popup Boxes, Functions JavaScript Objects, Browser Objects - Window, Navigator, History, Location, Document, Cookies, Document Object Model, Form Validation using JavaScript
September	XML: Comparing XML with HTML, Advantages and Disadvantages of XML, Structure of an XML Document, XML Entity References, DTD, XSLT: XSLT Elements and Attributes AJAX: AJAX Web Application Model, How AJAX Works, XMLHttpRequest Object – Properties and Methods, Handling asynchronous requests using AJAX
October	PHP: Variables and Operators, Program Flow, Arrays, Working with Files and Directories, Working with Databases, Working with Cookies, Sessions and Headers
November	Introduction to jQuery: Fundamentals, Selectors, methods to access HTML attributes, methods for traversing, manipulators, events, effects

TEACHING PLAN: 2021 – 2022

Subject / Paper: Cyber Forensics
Name: Javedkha Asifkha Pathan
Department: Computer Science

Semester – VI Class: TYCS Division: A

Month	Topics to be covered
December	Computer Forensics : Introduction to Computer Forensics and standard procedure, Incident Verification and System Identification ,Recovery of Erased and damaged data, Disk Imaging and Preservation, Data Encryption and Compression, Automated Search Techniques, Forensics Software
January	Network Forensic : Introduction to Network Forensics and tracking network traffic, Reviewing Network Logs, Network Forensics Tools Performing Live Acquisitions, Order of Volatility, Standard Procedure Cell Phone and Mobile Device Forensics: Overview, Acquisition Procedures for Cell Phones and Mobile Devices
February	Internet Forensic : Introduction to Internet Forensics, World Wide Web Threats, Hacking and Illegal access, Obscene and Incident transmission, Domain Name Ownership Investigation, Reconstructing past internet activities and events E-mail Forensics : e-mail analysis, e-mail headers and spoofing, Laws against e-mail Crime, Messenger Forensics: Yahoo Messenger
March	Social Media Forensics: Social Media Investigations Browser Forensics: Cookie Storage and Analysis, Analyzing Cache and temporary internet files, Web browsing activity reconstruction
April	Investigation, Evidence presentation and Legal aspects of Digital Forensics: Authorization to collect the evidence , Acquisition of Evidence, Authentication of the evidence, Analysis of the evidence, Reporting on the findings, Testimony
May	Introduction to Legal aspects of Digital Forensics: Laws & regulations, Information Technology Act, Giving Evidence in court, Case Study – Cyber Crime cases, Case Study – Cyber Crime cases

TEACHING PLAN: 2021 – 2022

Subject / Paper: Business Intelligence
Name: Javedkha Asifkha Pathan
Department: Information Technology



Semester – VI Class: TYIT Division: A

Month	Topics to be covered
December	Business intelligence: Effective and timely decisions, Data, information and knowledge, The role of mathematical models, Business intelligence architectures, Ethics and business intelligence Decision support systems: Definition of system, Representation of the decision-making process, Evolution of information systems, Definition of decision support system, Development of a decision support system
January	Mathematical models for decision making: Structure of mathematical models, Development of a model, Classes of models

	Data mining: Definition of data mining, Representation of input data , Data mining process, Analysis methodologies
February	Data preparation: Data validation, Data transformation, Data reduction Classification: Classification problems, Evaluation of classification models, Bayesian methods, Logistic regression, Neural networks, Support vector
March	Business intelligence applications: Marketing models: Relational marketing, Sales force management, Logistic and production models: Supply chain optimization, Optimization models for logistics planning, Revenue management systems.
April	Data envelopment analysis: Efficiency measures, Efficient frontier, The CCR model, Identification of good operating practices Knowledge Management: Introduction to Knowledge Management, Organizational Learning and Transformation, Knowledge Management Activities, Approaches to Knowledge Management, Information Technology (IT) In Knowledge Management, Knowledge Management Systems Implementation, Roles of People in Knowledge Management
May	Artificial Intelligence and Expert Systems: Concepts and Definitions of Artificial Intelligence, Artificial Intelligence Versus Natural Intelligence, Basic Concepts of Expert Systems, Applications of Expert Systems, Structure of Expert Systems, Knowledge Engineering, Development of Expert Systems

TEACHING PLAN: 2021 – 2022

Semester – III

Class: SYBAMMC

Division: A

Subject / Paper: FILM COMMUNICATION -I, paper-06 DRG

Name: FILM COMMUNICATION- I (FCO-305)

Department: BAMMC

Faculty: **Mehvish**

Month	Topics to be covered
June	NA
July	History of cinema
August	Understanding aspects of film appreciation
September	The Early Cinema(1895 to 1950)
October	Major film movements and its impact
November	Mainstream Indian Cinema and parallel Indian cinema

Semester – IV Class: SYBAMMC

Division: A

Subject / Paper: FILM COMMUNICATION -II, paper-(DSC-D4)DRG BAMMC FCO-405

Month	Topics to be covered
December	Regional Cinema
January	Hindi Cinema
February	Cinema now
March	Film making
April	Film culture
May	-----

TEACHING PLAN: 2021 – 2022

Semester – I

Class: FYBAMMC

Division: A

Subject / Paper: CURRENT AFFAIRS, paper-5(CORE II)

Name: CURRENT AFFAIRS (BAMMCA-105)

Department: BAMMC

Faculty: **Mehvish**



Month	Topics to be covered
June	NA
July	NA
August	Current national stories
September	Polity & Governance
October	International Affairs & Maharashtra issues

November	Technology
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Semester – II **Class: FYBAMMC** **Division: A**
Subject / Paper:

Month	Topics to be covered
December	-----
January	-----
February	-----
March	-----
April	-----
May	-----

TEACHING PLAN: 2021 – 2022

Semester – I **Class: FYBAMMC** **Division: A**
Subject / Paper: FOUNDATION COURSE-I, paper-02
Name: FOUNDATION COURSE - I (BAMMFC-101)
Department: BAMMC
Faculty: **Mehvish**

Month	Topics to be covered
June	NA
July	NA
August	Overview of Indian Society
September	Concept of disparity-1& 2
October	The Indian Constitution
November	Significant Aspects of Political Processes

Semester – II **Class: FYBAMMC** **Division: A**
Subject / Paper: FOUNDATION COURSE-II, paper-2 BAMMFC -202

Month	Topics to be covered
December	Globalisation & Indian Society
January	Human Rights
February	Ecology
March	Understanding Stress & conflict
April	Managing Stress and Conflict in Contemporary Society
May	-----

TEACHING PLAN: 2021 – 2022

Semester – I **Class: FYBAMMC** **Division: A**
Subject / Paper: HISTORY OF MEDIA, paper-6 CORE III
Name: HISTORY OF MEDIA (BAMMHM-106)
Department: BAMMC
Faculty: **Mehvish**



Month	Topics to be covered
June	NA
July	NA
August	Introduction & language Press
September	Documentaries & Films
October	Broadcasting
November	Media Icons

Semester – II **Class: FYBAMMC** **Division: A**
Subject / Paper:

Month	Topics to be covered
December	-----
January	-----
February	-----
March	-----
April	-----
May	-----

TEACHING PLAN: 2021 – 2022

Semester – V
 Subject / Paper: BM (MOD)
 Name: Mumtaz Shaikh
 Department: Commerce

Class: TYBCOM

Division: C

Month	Topics to be covered
June	
July	INTRODUCTION TO MANAGEMENT
August	INTRODUCTION TO MANAGEMENT PLANNING
September	ORGANISING AS A MANAGERIAL FUNCTION
October	STAFFING
November	REVISION

Semester – VI
 Subject / Paper: BM (MOD)

Class: TYBCOM

Division: C

Month	Topics to be covered
December	DIRECTING AND LEADING
January	COORDINATION AND MOTIVATION
February	CONTROLLING AND INFORMATION MANAGEMENT
March	CONTEMPORARY ISSUES IN MANAGEMENT
April	REVISION
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – V
 Subject / Paper: BM (FM)
 Name: Mumtaz Shaikh
 Department: Commerce

Class: TYBCOM

Division: C

Month	Topics to be covered
June	
July	RATIO ANALYSIS
August	RATIO ANALYSIS
September	SOURCES OF FINANCE
October	PREPARATION OF FINANCIAL STATEMENT
November	

Semester – VI
 Subject / Paper: BM(FM)

Class: TYBCOM
Subject / Paper: BM(FM)

Division: C

Month	Topics to be covered
December	CAPITAL BUDGETING AND EVALUATION TECHNIQUES
January	WORKING CAPITAL MANAGEMENT
February	RECEIVABLES MANAGEMENT
March	CASH MANAGEMENT AND MARKETABLE SECURITIES MANAGEMENT
April	REVISION
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – V
 Subject / Paper: Export Marketing
 Name: Mumtaz Shaikh
 Department: Commerce

Class: TYBCOM

Division: C



Month	Topics to be covered
June	
July	GLOBAL FRAMEWORK FOR EXPORTS
August	GLOBAL FRAMEWORK FOR EXPORTS
September	INDIA'S FOREIGN TRADE POLICY
October	FINANCIAL INCENTIVES AND ASSISTANCE
November	

Semester – VI

Class: TYBCOM

Division: C

Subject / Paper: Export Marketing

Month	Topics to be covered
December	PRODUCT PLANNING AND PRICING DECISIONS FOR EXPORT MAR
January	EXPORT DISTRIBUTION AND PROMOTION
February	EXPORT FINANCE
March	EXPORT FINANCE
April	REVISION
May	REVISION

TEACHING PLAN: 2021 – 2022**Semester – III****Class: SYBCOM****Division: D**

Subject / Paper: Marketing Management

Name: Mumtaz Shaikh

Department: Commerce

Month	Topics to be covered
June	
July	MARKETING MANAGEMENT AND MARKETING ENVIRONMENT
August	MARKETING MANAGEMENT AND MARKETING ENVIRONMENT UNDERSTANDING COMPETITION AND STRATEGIC MARKETING
September	PRODUCT
October	PRICING
November	

Semester – IV Class: SYBCOM**Division: D****Subject / Paper: Marketing Management**

Month	Topics to be covered
December	DISTRIBUTION
January	PROMOTION
February	UNDERSTANDING BUYER BEHAVIOUR
March	MARKETING OF SERVICES AND RURAL MARKETING
April	REVISION
May	REVISION

TEACHING PLAN: 2021 – 2022**Semester – III****Class: SYBCOM****Division: D**

Subject / Paper: FC

Name: Mumtaz Shaikh

Department: Commerce

Month	Topics to be covered
June	
July	HUMAN RIGHTS VIOLATIONS AND REDRESSAL
August	HUMAN RIGHTS VIOLATIONS AND REDRESSAL DEALING WITH ENVIRONMENTAL CONCERNS
September	DEALING WITH ENVIRONMENTAL CONCERNS SCIENCE AND TECHNOLOGY I
October	SOFT SKILLS FOR EFFECTIVE INTERPERSONAL COMMUNICATON PROJECT WORK/ASSIGNMENTS
November	REVISION

Semester – IV**Class: SYBCOM****Division: D****Subject / Paper: FC**

Month	Topics to be covered
December	SIGNIFICANT, CONTEMPORARY RIGHTS OF CITIZENS
January	APPROACHES TO UNDERSTANDING ECOLOGY



February	SCIENCE AND TECHNOLOGY-II
March	INTRODUCTION TO COMPETITIVE EXAMS
April	REVISION
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – III

Class: SYBCOM

Division: C

Subject / Paper: Marketing Management

Name: Mumtaz Shaikh

Department: Commerce

Month	Topics to be covered
June	MARKETING MANAGEMENT AND MARKETING ENVIRONMENT
July	MARKETING MANAGEMENT AND MARKETING ENVIRONMENT UNDERSTANDING COMPETITION AND STRATEGIC MARKETING
August	PRODUCT
September	PRICING
October	REVISION
November	REVISION

Semester – IV Class: SYBCOM

Division: C

Subject / Paper: Marketing Management

Month	Topics to be covered
December	DISTRIBUTION
January	PROMOTION
February	UNDERSTANDING BUYER BEHAVIOUR
March	MARKETING OF SERVICES AND RURAL MARKETING
April	REVISION
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – I

Class: FYBCOM

Division: A

Subject / Paper: Commerce

Name: Mumtaz Shaikh

Department: Commerce

Month	Topics to be covered
June	
July	
August	
September	BUSINESS
October	BUSINESS ENVIRONMENT
November	BUSINESS ENVIRONMENT

Semester – II

Class: FYBCOM

Division: A

Subject / Paper: Commerce

Month	Topics to be covered
December	CONCEPT OF SERVICES
January	CONCEPT OF SERVICES
February	RETAILING
March	RETAILING
April	REVISION
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBCOM

Division: E

Subject / Paper: commerce

Name: Mumtaz Shaikh

Department: Commerce

Month	Topics to be covered
June	



July	
August	
September	BUSINESS
October	BUSINESS ENVIRONMENT
November	BUSINESS ENVIRONMENT

Semester – II Class: FYBCOM Division: E
Subject / Paper: Commerce

Month	Topics to be covered
December	CONCEPT OF SERVICES
January	CONCEPT OF SERVICES
February	RETAILING
March	RETAILING
April	REVISION
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBCOM Division: E
 Subject / Paper: FC
 Name: Mumtaz Shaikh
 Department: Commerce

Month	Topics to be covered
June	
July	
August	
September	OVERVIEW OF INDIAN SOCIETY
October	CONCEPT OF DISPARITY-1 CONCEPT OF DISPARITY-2
November	THE INDIAN CONSTITUTION SIGNIFICANCE ASPECTS OF POLITICAL PROCESSES

Semester – II Class: FYBCOM Division: E
Subject / Paper: FC

Month	Topics to be covered
December	GLOBALISATION AND INDIAN SOCIETY
January	HUMAN RIGHTS
February	ECOLOGY
March	UNDERSTANDING STRESS AND CONFLICT
April	MANAGING STRESS AND CONFLICT IN CONTEMPORARY SOCIETY
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBCOM Division: D
 Subject / Paper: FC
 Name: Mumtaz Shaikh
 Department: Commerce

Month	Topics to be covered
June	
July	
August	
September	OVERVIEW OF INDIAN SOCIETY
October	CONCEPT OF DISPARITY-1 CONCEPT OF DISPARITY-2
November	THE INDIAN CONSTITUTION SIGNIFICANCE ASPECTS OF POLITICAL PROCESSES

Semester – II Class: FYBCOM Division: D
Subject / Paper: FC

Month	Topics to be covered
December	GLOBALISATION AND INDIAN SOCIETY
January	HUMAN RIGHTS
February	ECOLOGY



March	UNDERSTANDING STRESS AND CONFLICT
April	MANAGING STRESS AND CONFLICT IN CONTEMPORARY SOCIETY
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – V

Class: TYBCOM

Division: C

Subject / Paper: BM (MOD)

Name: Mumtaz Shaikh

Department: Commerce

Month	Topics to be covered
June	
July	INTRODUCTION TO MANAGEMENT
August	INTRODUCTION TO MANAGEMENT PLANNING
September	ORGANISING AS A MANAGERIAL FUNCTION
October	STAFFING
November	REVISION

Semester – VI

Class: TYBCOM

Division: C

Subject / Paper: BM (MOD)

Month	Topics to be covered
December	DIRECTING AND LEADING
January	COORDINATION AND MOTIVATION
February	CONTROLLING AND INFORMATION MANAGEMENT
March	CONTEMPORARY ISSUES IN MANAGEMENT
April	REVISION
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – V

Class: TYBCOM

Division: C

Subject / Paper: BM (FM)

Name: Mumtaz Shaikh

Department: Commerce

Month	Topics to be covered
June	
July	RATIO ANALYSIS
August	RATIO ANALYSIS
September	SOURCES OF FINANCE
October	PREPARATION OF FINANCIAL STATEMENT
November	

Semester – VI

Class: TYBCOM

Division: C

Subject / Paper: BM(FM)

Month	Topics to be covered
December	CAPITAL BUDGETING AND EVALUATION TECHNIQUES
January	WORKING CAPITAL MANAGEMENT
February	RECEIVABLES MANAGEMENT
March	CASH MANAGEMENT AND MARKETABLE SECURITIES MANAGEMENT
April	REVISION
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – V

Class: TYBCOM

Division: C

Subject / Paper: Export Marketing

Name: Mumtaz Shaikh

Department: Commerce

Month	Topics to be covered
June	
July	GLOBAL FRAMEWORK FOR EXPORTS



August	GLOBAL FRAMEWORK FOR EXPORTS
September	INDIA'S FOREIGN TRADE POLICY
October	FINANCIAL INCENTIVES AND ASSISTANCE
November	

Semester – VI

Class: TYBCOM

Division: C

Subject / Paper: Export Marketing

Month	Topics to be covered
December	PRODUCT PLANNING AND PRICING DECISIONS FOR EXPORT MAR
January	EXPORT DISTRIBUTION AND PROMOTION
February	EXPORT FINANCE
March	EXPORT FINANCE
April	REVISION
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – III

Class: SYBCOM

Division: D

Subject / Paper: Marketing Management

Name: Mumtaz Shaikh

Department: Commerce

Month	Topics to be covered
June	
July	MARKETING MANAGEMENT AND MARKETING ENVIRONMENT
August	MARKETING MANAGEMENT AND MARKETING ENVIRONMENT UNDERSTANDING COMPETITION AND STRATEGIC MARKETING
September	PRODUCT
October	PRICING
November	

Semester – IV Class: SYBCOM

Division: D

Subject / Paper: Marketing Management

Month	Topics to be covered
December	DISTRIBUTION
January	PROMOTION
February	UNDERSTANDING BUYER BEHAVIOUR
March	MARKETING OF SERVICES AND RURAL MARKETING
April	REVISION
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – III

Class: SYBCOM

Division: D

Subject / Paper: FC

Name: Mumtaz Shaikh

Department: Commerce

Month	Topics to be covered
June	
July	HUMAN RIGHTS VIOLATIONS AND REDRESSAL
August	HUMAN RIGHTS VIOLATIONS AND REDRESSAL DEALING WITH ENVIRONMENTAL CONCERNS
September	DEALING WITH ENVIRONMENTAL CONCERNS SCIENCE AND TECHNOLOGY I
October	SOFT SKILLS FOR EFFECTIVE INTERPERSONAL COMMUNICATON PROJECT WORK/ASSIGNMENTS
November	REVISION



Semester – IV Class: SYBCOM Division: D
Subject / Paper: FC

Month	Topics to be covered
December	SIGNIFICANT, CONTEMPORARY RIGHTS OF CITIZENS
January	APPROACHES TO UNDERSTANDING ECOLOGY
February	SCIENCE AND TECHNOLOGY-II
March	INTRODUCTION TO COMPETITIVE EXAMS
April	REVISION
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – III Class: SYBCOM Division: C
 Subject / Paper: Marketing Management
 Name: Mumtaz Shaikh
 Department: Commerce

Month	Topics to be covered
June	MARKETING MANAGEMENT AND MARKETING ENVIRONMENT
July	MARKETING MANAGEMENT AND MARKETING ENVIRONMENT UNDERSTANDING COMPETITION AND STRATEGIC MARKETING
August	PRODUCT
September	PRICING
October	REVISION
November	REVISION

Semester – IV Class: SYBCOM Division: C
Subject / Paper: Marketing Management

Month	Topics to be covered
December	DISTRIBUTION
January	PROMOTION
February	UNDERSTANDING BUYER BEHAVIOUR
March	MARKETING OF SERVICES AND RURAL MARKETING
April	REVISION
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBCOM Division: A
 Subject / Paper: Commerce
 Name: Mumtaz Shaikh
 Department: Commerce

Month	Topics to be covered
June	
July	
August	
September	BUSINESS
October	BUSINESS ENVIRONMENT
November	BUSINESS ENVIRONMENT

Semester – II Class: FYBCOM Division: A
Subject / Paper: Commerce

Month	Topics to be covered
December	CONCEPT OF SERVICES
January	CONCEPT OF SERVICES
February	RETAILING
March	RETAILING
April	REVISION
May	REVISION



TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBCOM Division: E

Subject / Paper: commerce

Name: Mumtaz Shaikh

Department: Commerce

Month	Topics to be covered
June	
July	
August	
September	BUSINESS
October	BUSINESS ENVIRONMENT
November	BUSINESS ENVIRONMENT

Semester – II

Class: FYBCOM

Division: E

Subject / Paper: Commerce

Month	Topics to be covered
December	CONCEPT OF SERVICES
January	CONCEPT OF SERVICES
February	RETAILING
March	RETAILING
April	REVISION
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBCOM Division: E

Subject / Paper: FC

Name: Mumtaz Shaikh

Department: Commerce

Month	Topics to be covered
June	
July	
August	
September	OVERVIEW OF INDIAN SOCIETY
October	CONCEPT OF DISPARITY-1 CONCEPT OF DISPARITY-2
November	THE INDIAN CONSTITUTION SIGNIFICANCE ASPECTS OF POLITICAL PROCESSES

Semester – II

Class: FYBCOM

Division: E

Subject / Paper: FC

Month	Topics to be covered
December	GLOBALISATION AND INDIAN SOCIETY
January	HUMAN RIGHTS
February	ECOLOGY
March	UNDERSTANDING STRESS AND CONFLICT
April	MANAGING STRESS AND CONFLICT IN CONTEMPORARY SOCIETY
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBCOM Division: D

Subject / Paper: FC

Name: Mumtaz Shaikh

Department: Commerce

Month	Topics to be covered
June	
July	
August	
September	OVERVIEW OF INDIAN SOCIETY
October	CONCEPT OF DISPARITY-1 CONCEPT OF DISPARITY-2
November	THE INDIAN CONSTITUTION SIGNIFICANCE ASPECTS OF POLITICAL PROCESSES



Semester – II

Class: FYBCOM

Division: D

Subject / Paper: FC

Month	Topics to be covered
December	GLOBALISATION AND INDIAN SOCIETY
January	HUMAN RIGHTS
February	ECOLOGY
March	UNDERSTANDING STRESS AND CONFLICT
April	MANAGING STRESS AND CONFLICT IN CONTEMPORARY SOCIETY
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – III

Class: S.Y.B.Sc.I.T.

Division: A

Subject / Paper: Database Management Systems

Name: Rafat Khan

Department: Information Technology

Month	Topics to be covered
June	
July	Introduction to Databases and Transactions
August	Data Models Database design and ER Model Database Design, ER Diagram and Unified Modeling Language Relational database model Relational Algebra and Calculus Relational algebra
September	Calculus Constraints, Views and SQL Transaction management and Concurrency
October	PL-SQL
November	

TEACHING PLAN: 2021 – 2022

Semester – V

Class: T.Y.B.Sc.C.S.

Division: A

Subject / Paper: Game Programming

Name: Rafat Khan

Department: Computer Science

Month	Topics to be covered
June	
July	Cartesian Coordinate system
August	Vectors Transformations DirectX Introduction To DirectX 11 Direct3D 11 Rendering Pipeline
September	Interpolation and Character Animation Trigonometry Interpolation Curves Analytic Geometry Unity Engine: Multi-platform publishing, VR + AR
October	Scripting Introduction to Rendering Engines XR
November	

Semester –

Class:

Division:

Subject / Paper:

Month	Topics to be covered
December	
January	
February	
March	
April	
May	



TEACHING PLAN: 2021 – 2022**Semester – V****Class: T.Y.B.Sc.I.T.****Division: A**

Subject / Paper: Internet of Things

Name: Rafat Khan

Department: Information Technology

Month	Topics to be covered
June	
July	The Internet of Things: An Overview
August	Design Principles for Connected Devices Internet Principles Thinking About Prototyping Prototyping Embedded Devices Prototyping the Physical Design
September	Prototyping Online Components Techniques for Writing Embedded Code Business Models
October	Moving to Manufacture Ethics
November	

Semester –**Class:****Division:****Subject / Paper:**

Month	Topics to be covered
December	
January	
February	
March	
April	
May	

TEACHING PLAN: 2021 – 2022**Semester – III****Class: SYBCom****Division: A/B/C/D****Prof. Roshan Khobragade****Subject / Paper Name : Business Law****Department : Business Law**

Month	Topics to be covered
June	Module I - India Contract Act, 1872 Part - 1
July	Module II - India Contract Act, 1872 Part - 2
August	Module III - Special Contracts
September	Module IV - Sale of Goods Act 1930
October	Module V - Negotiable Instruments Act, 1881 SEMISTER III EXAM
November	

Semester – IV**Class: SYBCom****Division: A/B/C/D****Subject / Paper****: Business Law**

Month	Topics to be covered
December	Module I - Companies Act, 2013 Part – 1
January	Module II - Companies Act, 2013 Part – 2
February	Module III - Indian Partnership Act, 1932
March	Module IV - Consumer Protection Act, 1986 and Competition Act 2002
April	Module V - Intellectual Property Rights
May	SEMISTER IV EXAM

TEACHING PLAN: 2021 – 2022**Semester – III****Class: SYBSc****Division: A**

Subject / Paper Name : Foundation Course



Department : Foundation Course

Month	Topics to be covered
June	Unit 1 - Human Rights Violations And Redressal.
July	Unit 1 - Human Rights Violations And Redressal
August	Unit 2 - Dealing With Environmental Concerns.
September	Unit 3 - Science And Technology I.
October	Unit 4 - Soft Skills For Effective Interpersonal Communication. SEMISTER III EXAM
November	

Semester – IV

Class: SYBSc

Division: A

Subject / Paper:

Month	Topics to be covered
December	Unit 1 - Significant, Contemporary Rights Of Citizens
January	Unit 2 - Approaches To Understanding Ecology
February	Unit 3 - Science And Technology–II.
March	Unit 4 - Introduction To Competitive Exams.
April	SEMISTER IV EXAM
May	

TEACHING PLAN: 2021 – 2022

Semester – I

Class: FYBSC-IT

Division:

Subject / Paper: Imperative Programming

Name: Sameer Shaikh

Department: CS / IT

Month	Topics to be covered
July	Types of Programming languages, History, features and application. Simple program logic, program development cycle, pseudocode statements and flowchart symbols, sentinel value to end a program, programming and user environments, evolution of programming models., desirable program characteristics Fundamentals.
August	Operators and Expressions. Data Input and output: Single character input and output, entering input data, scanf function, printf function, gets and puts functions, interactive programming.
September	Conditional Statements and Loops: While Loop, Do While, For Loop. Nested Loops, Infinite Loops, Switch Statement Functions: Overview, defining a function, accessing a function, passing arguments to a function, specifying argument data types. Program structure.
October	Pointers: Fundamentals, declarations, Pointers Address Operators, Pointer Type Declaration, Pointer Assignment, Pointer Initialization, Pointer Arithmetic, Functions and Pointers, Arrays And Pointers, Pointer Arrays, passing functions to other functions Structures and Unions.

TEACHING PLAN: 2021 – 2022

Semester – V

Class: TYBSC-IT

Division:

Subject / Paper: Linux Administration

Name: Sameer Shaikh

Department: CS / IT

Month	Topics to be covered
July	Introduction to Red Hat Enterprise Linux,command line,system Adm task, managing software, Configuring and Managing Storage, Connecting to the Network, Working with Users, Groups, and Permissions.
August	Securing Server with iptables, Setting Up Cryptographic Services, Configuring Server for File Sharing
September	Configuring DNS and DHCP, Setting Up a Mail Server,



	Configuring Apache on Red Hat Enterprise Linux.
October	Introducing Bash Shell Scripting, High-Availability Clustering, Setting Up an Installation Server.

TEACHING PLAN: 2021 – 2022

Semester – I

Class: FYBAF

Division: A

Subject / Paper: Cost Accounting

Name: Ms. Shabnam Sheikh

Department: BAF

Month	Topics to be covered
June	_____
July	_____
August	Module 1: Introduction to Cost Accounting
September	Module 1: Introduction to Cost Accounting Module 2: Material Cost
October	Module 3: Labour Cost
November	Module 4: Overheads

TEACHING PLAN: 2021 – 2022

Semester – III

Class: SYBAF

Division: A

Subject / Paper: Financial Accounting III

Name: Ms. Shabnam Sheikh

Department: BAF

Month	Topics to be covered
June	_____
July	Module 5: Accounting of Transactions of Foreign Currency
August	Module 3: Amalgamation of Partnership Firms
September	Module 3: Amalgamation of Partnership Firms Module 1: Partnership Final Accounts
October	Module 2: Piecemeal Distribution of A Cash
November	Module 4: Conversion or Sale of Firms into a Limited Company

TEACHING PLAN: 2021 – 2022

Semester – III

Class: SYBBI

Division: A

Subject / Paper: Management Accounting

Name: Ms. Shabnam Sheikh

Department: BBI

Month	Topics to be covered
June	_____
July	Module 1: Introduction to Management Accounting
August	Module 2: Financial Statement Analysis
September	Module 2: Financial Statement Analysis Module 3: Working Capital Management
October	Module 3: Working Capital Management
November	Module 4: Management of Profits / Dividend Policy

TEACHING PLAN: 2021 – 2022

Semester – III

Class: SYBMS

Division: A

Subject / Paper: Cost Accounting

Name: Ms. Shabnam Sheikh

Department: BMS

Month	Topics to be covered
June	_____
July	Module 1: Introduction to Cost Accounting
August	Module 3 : Cost Projection
September	Module 3 : Cost Projection



October	Module 2: Elements of Cost
November	Module 4: Emerging Cost Concepts

TEACHING PLAN: 2021 – 2022

Semester – V

Class: TYBAF

Division: A

Subject / Paper: Financial Accounting V

Name: Ms. Shabnam Sheikh

Department: BAF

Month	Topics to be covered
June	
July	Module 2: Buy Back of shares
August	Module 3: Amalgamation, Absorption & External Reconstruction
September	Module 4: Internal Reconstruction
October	Module 1: Underwriting of shares & debentures
November	Module 5: Liquidation of Companies

TEACHING PLAN: 2021 – 2022

Semester – V

Class: TYBMS

Division: A

Subject / Paper: Financial Accounting

Name: Ms. Shabnam Sheikh

Department: BMS

Month	Topics to be covered
June	
July	Module 3: Accounting of Transactions of Foreign Currency
August	Module 3: Accounting of Transactions of Foreign Currency Module 1: Preparation of Final Accounts of Companies
September	Module 1: Preparation of Final Accounts of Companies Module 4: Investment Accounting
October	Module 2 : Underwriting of Shares and Debentures
November	Module 5 : Ethical Behaviour and Implications for Accounts

TEACHING PLAN: 2021 – 2022

Semester – III

Class: Sy-BSc

Division: A

Subject / Paper: Inorganic Chemistry Paper-I+II

Name: Ms. Shaikh Sheeba Mohd. Rizwan

Department: Chemistry

Month	Topics to be covered
August	Paper-I-Unit-II- Chemical Bonding+ Practicals
September	Paper-II-Unit-II- p block Elements+ Practicals
October	Revision+Practicals+MCQ Practice
November	Online Test+Revision+PY Question Solving

Semester – IV Class: Sy-BSc

Division: A

Subject / Paper: Inorganic Chemistry Paper-I+II

Month	Topics to be covered
December	Paper-I-Unit-II-Transition Metals+Practicals
January	Paper-I-Unit-II-Coordination Chemistry+Practicals
February	Paper-II-Unit-II-Ions In Aq.Medium+Practicals
March	Paper-II-Unit-II-Environmental Chemistry+Practicals
April	Revision+Practicals+MCQ Practice
May	Online Test+Revision+PY Question Solving

TEACHING PLAN: 2021 – 2022

Semester – V

Class: Ty-BSc

Division: A

Subject / Paper: Inorganic Chemistry Paper-II

Name: Ms. Shaikh Sheeba mohd. Rizwan

Department: Chemistry

Month	Topics to be covered
August	Unit-I-Molecular Symmetry Unit-II-Solid State
September	Unit-III-Inner TS Elements Unit-IV-Some Selected Topics



October	Revision+Practicals+MCQ Practice
November	Online Test+Revision+PY Question Solving

Semester – VI Class: Ty-BSc

Division: A

Subject / Paper: Inorganic Chemistry Paper-II

Month	Topics to be covered
December	Unit-I-Theories Of Metal-Ligand(I)+Practicals
January	Unit-II-Theories Of Metal-Ligand(II)+Practicals
February	Unit-III-Organometallic Chemistry+Practicals
March	Unit-IV-Some Selected Topics+Practicals
April	Revisions+Online Test
May	Revisions+MCQ Practice

TEACHING PLAN: 2021 – 2022

Semester – III

Class: SYBCOM

Division: A,B,D

Subject / Paper: ACCOUNTANCY AND FINANCIAL MANAGEMENT

Name: SHEHNAZ KHAN

Department: ACCOUNTANCY

Month	Topics to be covered
June	-----
July	PARTNERSHIP FINAL ACCOUNTS DIV
August	PARTNERSHIP FINAL ACCOUNTS DIV
September	PIECEMEAL DISTRIBUTION
October	AMALGAMATION OF PARTNERSHIP FIRM
November	REVISION

Semester – III Class: SYBCOM

Division: A,B,D

Subject / Paper: ACCOUNTANCY AND FINANCIAL MANAGEMENT

Month	Topics to be covered
December	INTRODUCTION TO COMPANY ACCOUNTS
January	REDEMPTION OF PREFERENCE SHARES
February	REDEMPTION OF DEBENTURES
March	PROFIT PRIOR TO INCORPORATION
April	REVISION
May	-----

TEACHING PLAN: 2021 – 2022

Semester – V

Class: TYBCOM

Division: A,B,C

Subject / Paper: FINANCIAL ACCOUNTING

Name: SHEHNAZ KHAN

Department: ACCOUNTANCY

Month	Topics to be covered
June	-----
July	INTERNAL RECONSTRUCTION
August	INTERNAL RECONSTRUCTION
September	INVESTMENT ACCOUNTING
October	INVESTMENT ACCOUNTING
November	ETHICAL BEHAVIOUR AND IMPLICATIONS FOR ACCOUNTANTS

Semester – VI Class: TYBCOM

Division: A,B,C

Subject / Paper: FINANCIAL ACCOUNTING

Month	Topics to be covered
December	AMALGAMATION, ABSORPTION AND EXTERNAL RECONSTRUCTION
January	AMALGAMATION, ABSORPTION AND EXTERNAL RECONSTRUCTION
February	ACCOUNTING FOR LIMITED LIABILITY PARTNERSHIP
March	ACCOUNTING FOR LIMITED LIABILITY PARTNERSHIP
April	REVISION
May	REVISION



TEACHING PLAN: 2021 – 2022

Semester – V
 Subject / Paper: DIRECT TAX
 Name: SHEHNAZ KHAN
 Department: ACCOUNTANCY

Class: TYBCOM

Division: A,B,C

Month	Topics to be covered
June	BASIC CONCEPTS
July	BASIC CONCEPTS ,RESIDENCE AND SCOPE OF TOTAL INCOME
August	RESIDENCE AND SCOPE OF TOTAL INCOME ,HEADS OF INCOME,SALARIES
September	INCOME FROM OTHER SOURCES,DEDUCTION FROM GROSS TOTAL INCOME
October	COMPUTATION OF TOTAL INCOME
November	REVISION

Semester – VI
 Subject / Paper: INDIRECT TAX

Class: TYBCOM

Division:A,B,C

Month	Topics to be covered
December	INTRODUCTION TO GST
January	LEVY AND COLLECTION OF TAX
February	TIME,PLACE AND VALUE OF SUPPLY
March	REVISION
April	REVISION
May	-----

TEACHING PLAN FOR THE ACADEMIC YEAR: 2021-2022

Name of the faculty : Shweta Dubey

Department: Economics: Economics

Semester : I

Class: FYBA Division: A

Course Code : ECONOMICS - PAPER I

Name of the Paper : MICROECONOMICS - I

Months	Topics to be covered
June, 2021	<u>Module - I: Introduction to Microeconomics</u> Microeconomics: Meaning, Scope, Nature, Importance and Limitations; Basic Economic Problems; Role of Price Mechanism in a Market Economy; Positive Economics and Normative Economics; Concepts of Equation, Functions, Graphs, Diagrams, Line, Slope and Intercept
July, 2021	<u>Module - II: Ten Principles of Economics</u> Trade-Off Faced by the Individuals; Significance of Opportunity Cost in Decision Making; Thinking at the Margin; Responses to incentives; Benefits from Exchange; Organization of Economic Activities through Markets and its Benefits; Role of Government in improving Market Outcomes; Dependence of Standard of Living on Production; Growth in Quantity of Money; Inflation and Unemployment Trade Off
August, 2021	<u>Module - III: Markets, Demand and Supply</u> What is a Market; What is Competition; Demand Curves: Market Demand versus Individual Demand, Movements along the Demand Curve, Shifts in the Demand Curve; Supply Curves: Market Supply and Individual Supply, Shifts in Supply Curve; Market Equilibrium - Three Steps to Analyze Changes in Equilibrium; Price Elasticity of Demand, Methods of Measuring Price Elasticity of Demand – Total Outlay Method, Percentage Method and Point Method; Concepts of Income Elasticity of Demand, Cross Elasticity of Demand and Promotional Elasticity of Demand
September, 2021	<u>Module IV: Consumer's Behavior</u> Introduction to Cardinal and Ordinal Approaches; Indifference Curve Analysis - Properties of Indifference Curves, Budget Line, and Consumer's Equilibrium; Income, Price and Substitution Effect; Derivation of Demand Curve; Consumer's Surplus: Strong Ordering and



	Weak Ordering
October, 2021	Revision and Examination.

TEACHING PLAN FOR THE ACADEMIC YEAR: 2021-2022

Name of the faculty : **Shweta Dubey**
 Department: Economics : **Economics**
 Semester : **II** Class: **FYBA** Division: **A**
 Course Code : **ECONOMICS - PAPER II**
 Name of the Paper : **MICROECONOMICS - II**

Months	Topics to be covered
November, 2021	<u>Module I: Production Analysis</u> Production Function: Concept And Types; Concepts of Total, Average and Marginal Product; Law of Variable Proportion and Returns to Scale, Isoquant and Producer's Equilibrium
December, 2021	<u>Module II: Cost & Revenue Analysis</u> Concepts of Costs: Money and Real Cost, Social Cost, Private Cost, Explicit and Implicit Cost, Opportunity Cost; Relationship between Average, Marginal and Total Cost; Derivation of Short Run and Long Run Cost Curves; Concepts of Revenue: Types and Interrelationship
January, 2021	<u>Module III: Factor Pricing</u> Marginal Productivity Theory of Distribution; Rent: Ricardian Theory of Rent, Modern Theory of Rent, Quasi Rent; Wages: Modern Theory of Wages; Collective Bargaining; Supply Curve of Labour; Interest: Classical Theory of Interest, Loanable Funds Theory of Interest; Profit: Risk and Uncertainty Theory, Innovation Theory
February, 2021	<u>Module IV: Equilibrium in Different Market Structure</u> Concept Of Equilibrium: TR - TC And MR - MC Approach; Features of Perfect Competition; Monopoly and Monopolistic Competition, Short Run and Long Run Equilibrium of Firm and Industry under each Market Condition; Selling Cost and Wastages under Monopolistic Competition
March, 2021	Revision and Examination
April, 2021	Examination

TEACHING PLAN FOR THE ACADEMIC YEAR: 2021-2022

Name of the faculty : **Shweta Dubey**
 Department: Economics : **Economics**
 Semester : **III** Class: **SYBA** Division: **A**
 Course Code : **ECONOMICS - PAPER IV**
 Name of the Paper : **PUBLIC FINANCE**

Months	Topics to be covered
June, 2021	<u>Unit – I Introduction</u> Meaning and Scope of Public Finance; Public Finance versus Private Finance; Market Failure: Public Goods and Private Goods, Externalities, Efficiency versus Equity; Principles of Sound Finance and Functional Finance; Allocation, Distribution, Stabilisation and Growth Functions of the Government
July, 2021	<u>Unit - II Fiscal Policy: Budget and Taxation</u> Dalton's and Musgrave Versions of the Law of Maximum Social Advantage; Role of Government in a Modern Economy; Types of Public Budget; Structure of Public Budget; Role of Taxation; Merits and Demerits of Direct and Indirect Tax Policy; Features of Good Tax System; Concept of Impact, Incidence and Shifting of Taxation; Elasticity and Determination of Tax Burden
August, 2021	<u>Unit III Fiscal Policy: Public Expenditure and Debt</u> Canons of Public Expenditure; Classification of Public Expenditure; Wagner's Law of Public Expenditure; Public Expenditure as an Instrument of Fiscal Policy; Meaning and Types of Public Debt; Burden of Public Debt; Principles of Public Debt Management; Concepts of Deficits



September, 2021	Unit IV Indian Public Finance Budget of The Government of India (Previous Financial Year); Sources of Public Receipts (Tax And Non-Tax, Introduction To GST); Components of Public Expenditure; Sources of Public Borrowing and Debt Liabilities; Deficits; Appraisal of FRBM Act 2004; Fiscal Federalism: Fourteenth Finance Commission Recommendations
October, 2021	Revision and Examination.

TEACHING PLAN FOR THE ACADEMIC YEAR: 2021-2022

Name of the faculty : **Shweta Dubey**
 Department: Economics : **Economics**
 Course Code : **ECONOMICS - PAPER VI**
 Name of the Paper : **INDIAN ECONOMY**

Months	Topics to be covered
November, 2016	Module- I: Introduction Trends in India's National Income and PCI Since 1990; Structural Changes In Indian Economy; Brief Overview of the Employment Generation and Poverty Alleviation Programmes; Regional Inequalities; Measures to Reduce Regional Inequalities in India
December, 2016	Module - II: Agricultural Sector Role of Agriculture in Economic Development; Causes of Low Productivity; Agricultural Inputs; Agricultural Price Policy: Recent Minimum Support Price Policy; Income Support for Farmers; Sources of Agricultural Finance; Micro Finance; NABARD: Role and Function; Agricultural Marketing: Structure and Problems; National Policy for Farmers, 2007; Organic Farming Policy; Food Security in India
January, 2017	Module -III: Industrial Sector Infrastructure for Industrial Development; Industrial Policies in India; Industrial Policy of 1991; Micro, Small and Medium Enterprises (MSMEs): Classification, Role and Policy Measures; Growth of Large Scale Industries and Economic Development; Recent Policies and Programs for Industrial Development: Start Up India, Make in India, Skill India; Role and Trends of FDI in Industrial Sector Development
February, 2017	Module -IV: Service Sector Role of Service Sector in Indian Economy; Growth and Performance of Healthcare; Performance of Trade and Tourism, Information Technology and IT - Enabled Services; Research and Development Services With Reference to Education and Skill Development in Employment Generation in India; Performance of Service Sector during XIIth Five Year Plan
March, 2022	Revision and Examination
April, 2022	Examination

TEACHING PLAN FOR THE ACADEMIC YEAR: 2021-2022

Name of the faculty : **Shweta Dubey**
 Department: Economics : **Economics**
 Name of the Paper : **ADVANCED MICROECONOMICS – III**

Months	Topics to be covered
June, 2021	Module 1: General Equilibrium and Welfare Economics Concept of General Equilibrium and Walrasian General Equilibrium Model - Pareto Optimality – The Pareto Optimality Condition of Social Welfare - Marginal Conditions for Pareto Optimal Resource Allocation - Perfect Competition and Pareto Optimality - Arrow's Impossibility Theorem
July, 2021	Module 2: Market Structure: Monopoly and Monopolistic Competition Concept of Monopoly - Measurement of Monopoly Power - Price Discrimination: Types and Classification of Price Discrimination (Degrees of Price Discrimination) - Equilibrium under discriminating Monopoly - Regulation of Monopoly Market Product Differentiation in Monopolistic



	Competition - Chamberlin's Alternative approach- Equilibrium under Monopolistic Competition - Excess Capacity
August, 2021	<u>Module 3: Oligopoly</u> The Cournot Model - Meaning and Characteristics of Oligopoly Market - Rigid Prices - The Sweezy Model of Kinked Demand Curve - Collusive Oligopoly - Cartel: Centralised and Market Sharing Cartel - Imperfect Collusion- Price Leadership Models, Game Theory - Prisoner's Dilemma, Nash Equilibrium and Dominant Strategy Equilibrium
September, 2021	<u>Module 4: Information Economics</u> Economics of Search and Search Cost - The Theory of Asymmetric Information-The Market for Lemons and Adverse Selection - Risk Preference and Expected Utility - The Problem of Moral Hazard - Market Signaling - Principal-Agent Problem
October, 2021	Revision and Examination.

TEACHING PLAN FOR THE ACADEMIC YEAR: 2021-2022

Name of the faculty : **Shweta Dubey**
 Department: Economics : **Economics**
 Name of the Paper : **ECONOMICS OF GROWTH AND DEVELOPMENT**

Months	Topics to be covered
June, 2021	<u>Module 1: Meaning of Economic Growth and Development</u> Concepts of Economic Growth and Development-Distinction between Economic Growth and Development- Concept of Human Development- H.D.I, G.D.I, Green GDP- Sen's Capability approach- Millennium Development Goals (MDGs)- Initiative by Indian government towards MDGs
July, 2021	<u>Module 2: Theories of Economic Development</u> Rostow's stages of growth; Big Push Theory- Leibenstein's Critical Minimum Effort Thesis - Harrod - Domar Growth Model- Lewis Model of unlimited supply of labour - Ragner Nurkse's Theory of Disguised Unemployment- Schumpeter's Theory of Development
August, 2021	<u>Module 3: Structural Issues in Development Process</u> Concept of Human Capital- Role of Education, Health and nutrition in Human Capital - Meaning and Measurement of Poverty and Inequality- Measures to eradicate poverty and Inequality - Meaning of Inclusive growth - SHG and Microfinance- Migration – Urbanization- Formal and Informal Sector- Urban Informal Sector
September, 2021	<u>Module 4: Planning, Technology and Economic Development</u> Concept and Role of infrastructure in Economic Development- Role of technology in Economic Development- Labour intensive versus Capital intensive technology- Schumacher's concepts of intermediate and appropriate technology- Green Technology- Meaning and Types of Economic Planning- Role of Planning in Economic Development
October, 2021	Revision and Examination.

TEACHING PLAN FOR THE ACADEMIC YEAR: 2021-2022

Name of the faculty : **Shweta Dubey**
 Department: Economics : **Economics**
 Name of the Paper : **INDUSTRIAL AND LABOUR ECONOMICS – I**

Months	Topics to be covered
June, 2021	<u>Module 1: Introduction</u> Meaning and Scope of Industrial Economics- Industrial Profile- Private sector- Performance and Problems - Cooperatives sector and its role, merits and demerits- Public Sector – Role - Performance and Problems - Role of agriculture in Industrial development, Industrial Combinations - Motives for Mergers and Acquisitions.
July, 2021	<u>Module 2: Industrial Location and Problem of Regional Imbalance</u> Determinants of Industrial Location, Theories of Industrial Location -



	Weber's and Sargent Florence's Theories, Dispersal and Decentralization of Industries, Problem of Regional Imbalance.
August, 2021	<u>Module 3: Industrial Productivity and Industrial Sickness</u> Concept and Measurement of Industrial Productivity- Factors Affecting Industrial Productivity-Industrial Sickness - Causes, Effects and Remedial Measures - Rationalisation - Concept, Aspects and Impact.
September, 2021	<u>Module 4: Industrial Development in India</u> New Industrial Policy, 1991; Disinvestment Policy; Small Scale Industries and Rural Industrialization; National Manufacturing Policy, 2011 - Recent Trends in India's Industrial Growth- Role of MNCs in the Indian Economy - Merits and Demerits, Industrial Finance in India.
October, 2021	Revision and Examination

TEACHING PLAN FOR THE ACADEMIC YEAR: 2021-2022

Name of the faculty : **Shweta Dubey**
 Department: Economics : **Economics**
 Name of the Paper : **ADVANCED MACROECONOMICS - III**

Months	Topics to be covered
November, 2016	<u>Module 1: Post Keynesian Synthesis</u> Derivation of Aggregate Demand Curve with IS-LM - Aggregate Supply Curve - Determination of Equilibrium National Income and Price Level under Aggregate Demand and Aggregate Supply Model - Extension of IS-LM Model with Labour Market and Flexible Prices - Natural Rate of Unemployment Long run Philips Curve - Friedman's Expectation Model - Tobin's Modified Philips Curve - Adaptive Expectations and Rational Expectations.
December, 2016	<u>Unit II: International Trade</u> Classical Theory of International Trade, Haberler's Theory of Opportunity Cost; Heckscher –Ohlin Theory of Trade - Terms of Trade: Gross, Net and Income - Law of Reciprocal Demand and Offer Curves- Equilibrium Price in International Trade, Commercial Policy - Tariffs and their effects.
January, 2017	<u>Unit III: Open Economy Macroeconomics</u> Determination of Exchange Rate in Foreign Exchange Markets: Fixed and Flexible, Nominal and Real Exchange rate - Mundell - Fleming Model- the Impossible Trinity; - Purchasing Power Parity Theory. Balance of Payments: Components, Disequilibrium and Adjustments - Currency Crisis.
February, 2017	<u>Unit IV: Public Economics</u> Public Goods, Externalities, Market Failure- Role of the state - the Coase Theorem - Principles of Taxation: Ability to pay-principle and Benefit Principle -Concepts of Impact, Incidence and Shifting of a Tax – Dalton's & Musgrave's concepts of Tax-Incidence - Demand and Supply Theory of Incidence, Excess Burden of Taxation
March, 2022	Revision and Examination
April, 2022	Examination

TEACHING PLAN FOR THE ACADEMIC YEAR: 2021-2022

Name of the faculty : **Shweta Dubey**
 Department: Economics : **Economics**
 Name of the Paper : **INTERNATIONAL ECONOMICS**

Months	Topics to be covered
November, 2021	<u>Module 1: Introduction to Trade Theories</u> Meaning, scope and importance of International Trade- Difference between Internal and International Trade - Adam Smith's Theory of International Trade - Ricardian theory of comparative cost difference Heckscher- Ohlin Theory-Leontief's Paradox- Krugman's Model
December, 2021	<u>Module 2: Balance of Trade and Balance of Payment</u> Concepts of Terms of Trade(Net barter, Gross barter and Income terms of trade)-Meaning and difference between Balance of Trade (BOT) and Balance of Payment (BOP)-Purchasing Power Parity theory, Law of Reciprocal Demand-Marshall-Edgeworth Offer curves, Gains from trade-



	Case for and against Free Trade and Protection policy
January, 2022	<u>Module 3: Foreign Exchange Market</u> Meaning and Functions of Foreign Exchange Market-Exchange rate determination, Factors influencing foreign exchange rate-Managed Flexibility-SWAP Market, Components of foreign exchange reserves Foreign Aid Vs Foreign Trade, FDI and MNCs
February, 2022	<u>Module 4: International Economic Institutions and Economic Integration</u> IMF, World Bank - Role and functions-WTO-Objectives, Functions and Agreements with respect to TRIPS, TRIMS, GATS, AoA - Forms and objectives of Economic Integration-Cartels-Trade Blocs, ASEAN- European Union (EU)- NAFTA and SAARC
March, 2022	Revision and Examination
April, 2022	Examination

TEACHING PLAN FOR THE ACADEMIC YEAR: 2021-2022

Name of the faculty : **Shweta Dubey**

Department: Economics : **Economics**

Name of the Paper : **INDUSTRIAL AND LABOUR ECONOMICS-II**

Months	Topics to be covered
November, 2021	<u>Module 1: Introduction - Indian Labour Market</u> Characteristics of the Indian Labour Market, Child Labour and Women Labour -Problems and Measures, Labour Market Reforms - Exit Policy and Need for Safety Nets, Second National Commission on Labour, Globalization and its impact on Indian Labours.
December, 2021	<u>Module 2: Trade Unionism</u> Definition and Functions of Trade Unions, Historical Evolution of Trade Unions in India and their Present Status- Problems of Trade Unions in India- Role of Outside Leadership- International Labour Organization
January, 2022	<u>Module 3: Industrial Relations</u> Causes of Industrial Disputes and Their Settlement Mechanism- Collective Bargaining - Concept, Features - Importance and Pre-requisites for Successful Collective Bargaining - Collective Bargaining in India -Workers' Participation in Management- Concept, Objectives and Forms of Workers' Participation in India -Working Conditions and life style of Indian workers
February, 2022	<u>Module 4: Labour Welfare and Social Security</u> Concept -Theories and Principles of Labour Welfare- Agencies for Labour Welfare, Role of the Labour Welfare Officer - Social Security-Concepts, Social Assistance and Social Insurance – Social Security Measures in India - Indian Labour Legislations
March, 2022	Revision and Examination
April, 2022	Examination

**Teaching Plan
2021-2022**

Class: S Y Bcom. Div : A,B & C

Lectures per week. 03 Sub: Advertising I SEM III

Month	Topics to be covered
August	Introduction to Advertising . meaning, features, importance Active participate Benefits to business firm and consumer IMC features, concept, elements & Role of IMC Classification of Advertising , media, geographic area, audience and function
September	Advertising agency Features, structure and services, types,, Agency selection criteria Client turnover, client relationship, creative pitch, agency compensation, Agency client relationship Careers in advertising and skills required for career



	<p>Economic aspects of Advertising</p> <p>Effect of Advertising on</p> <ul style="list-style-type: none"> ● Production cost ● Distribution cost ● Consumer price <p>Monopoly, Advertising and standard of living, cultural values.</p>
October	<p>Social aspects of Advertising</p> <p>Ethics in advertising, probono advertising, self Regulation Law,ASCI,DAVP.</p> <p>Brand Building advertising communication process,AIDA formula, brand equity and managing brand crises</p> <p>Special purpose advertising</p> <ul style="list-style-type: none"> ● Rural advertising ● Political advertising ● Advocacy advertising ● Green advertising ● Corporate image advertising <p>Trends in advertising</p>
November	

**Teaching Plan
2021-2022**

Class: F Y Bcom. Div : B,C & E

Lectures per week. 01 Sub: Commerce I SEM I

Month	Topics to be covered
August	-----
September	<p>Introduction to Business</p> <p>Concept, features, functions ,scop , significance & Traditional and modern</p>
October	<p>Objective of business</p> <p>Settings, classification and reconciliation of business</p> <p>Economic v/s social objective of business</p>
November	<p>New Trends in business</p> <p>Introduction to Entrepreneurship</p>

**Teaching Plan
2021-2022**

Class: S Y Bcom. Div :A, B&C

Lectures per week. 03 Sub: Advertising II SEM IV

Month	Topics to be covered
November	<p>Media in Advertising</p> <p>Traditional media advantages and disadvantage</p> <p>New age media Digital media/ internet Advertising</p> <p>Forms , significance, limitations</p> <p>Media research concept, importance, tools for regulation, ABC and</p>
December	<p>Planning an Advertising campaign</p> <ul style="list-style-type: none"> ● Advertising campaigns ● Advertising Budget ● Media planning



January	Fundamentals of creativity in advertising <ul style="list-style-type: none"> ● Creativity ● Creative aspects ● Creativity through endorsement
February	Execution and evaluation of Advertising <ul style="list-style-type: none"> ● Presentation and preparation of print advertising ● Creating broadcasting ad ● Evaluation

**Teaching Plan
2021-2022**

Class: F Y Bcom. Div : B,C & E

Lectures per week. 01 Sub: Commerce II SEM II

Month	Topics to be covered
November	-----
December	Introduction to service....I Meaning, characteristics, classification, importance of service sector
January	Marketing mix for services Consumer expectations Product, price, place promotion, people, physical evidence
February	Marketing research and service development Managing Demand and supply Opportunity and challenges

**Teaching Plan
2021-2022**

Class: TY Bcom. Div : A,B, & C

Lectures/ week. 03 Sub: Export Marketing SEM VI

Month	Topics to be covered
November	Product planning and pricing decision <ul style="list-style-type: none"> ● Planning for Export Marketing regards to product, packaging, branding
December	Export Distribution and promotion <ul style="list-style-type: none"> ● Factors distribution channels ● Components of logistics ● Sales promotion techniques
January	Export finance <ul style="list-style-type: none"> ● Methods of payment ● Features of pre shipment ● Role of commercial banks
February	Export procedure and documents <ul style="list-style-type: none"> ● Registration ● Shipping and custom stage formalities ● Importance of documents



Lectures /week03Sub: Export Marketing SEM V

Month	Topics to be covered
August	Introduction to Export Marketing <ul style="list-style-type: none"> ● Concept, features, importance of Export Marketing ● Factors, Risks, problems of India's Export Marketing ● Composition and Direction of India's export since 2015 and service export of India
September	Global framework for Export Marketing <ul style="list-style-type: none"> ● Trade Barriers ● Major grouping ● Need for export Marketing research
October	India's foreign Trade Policy Highlights, implications, ease of doing business as per new FTP Role of DGFT, negative list of Export DEEMED export, benefits to status Holder, Town's of excellence, common benefits to EHTP, STP, BTP, SEZ, EOU, AEZ
November	Export incentives and Assistance <ul style="list-style-type: none"> ● Financial assistance ● Institutional assistance ● Schemes for Export promotion

TEACHING PLAN: 2021 – 2022

Semester – III

Class: SYBCOM

Division: A/B/C

Subject / Paper: FOUNDATION COURSE -III & IV

Name: DR.SHADAB A.SYED

Department: FC

Month	Topics to be covered
June	_____
July	Human Rights Violations and Redressal
August	Dealing with Environmental Concerns
September	Science and Technology
October	Soft Skills for Effective Interpersonal Communication
November	_____

Semester – IV

Class: SYBCOM

Division: A/B/C

Subject / Paper:

Month	Topics to be covered
December	Significant, Contemporary Rights of citizens
January	Approaches to Understanding Ecology
February	Science and Technology
March	Introduction to Competitive Exams
April	_____
May	_____

TEACHING PLAN: 2021 – 2022

Semester – I

Class: FYBCOM

Division: A/B/C

Subject / Paper: FOUNDATION COURSE I

Name: DR.(MRS) SHADAB A SYED

Department: FC

Month	Topics to be covered
June	_____
July	_____
August	_____



September	Overview of Indian Society
October	Concept of Disparity: Gender inequality and inequalities due to disabilities
November	Concept of Disparity: Intergroup Conflicts in India

Semester – **Class:** **Division:**
Subject / Paper:

Month	Topics to be covered
December	The Indian Constitution
January	Significant Aspects of Political Processes
February	Globalisation and Indian Society
March	Human Rights ,Ecology
April	Understanding Stress and Conflicts: Management in contemporary society
May	_____

Teaching Plan
(Academic Year 2019 - 20)

Semester: 1

Class: FYBMS

Subject/Paper Name: Foundation of Human Skills

Month	Topics to be covered

September	Unit 1- Understanding of Human Behaviour
October	Unit 2- Introduction to Group Behaviour
November	Unit3- Organisational Culture And Motivation
December	Unit 4- Organisational Change, Creativity and Development and Work Stress

Teaching Plan
(Academic Year 2019 - 20)

Name of the Faculty: Professor Zahra Dehghani

Subject/Paper Name: Foundation of Human Skills

Month	Topics to be covered

September	Unit 1- nature of entrepreneurship
October	Unit 2- types of entrepreneurs
November	Unit3- business planning
December	Unit 4- pillars of business planning

Teaching Plan

Name of the Faculty: Professor Zahra Dehghani

Subject/Paper Name: Organisational Behaviour And Human Resource Management

Month	Topics to be covered
June	-----
July	Unit 1-Organisational Behaviour
August	Unit 2 – Communication, Conflict Management, Time Management
September	Unit 3- HRM,HRP and HRD
October	Unit 4- Performance Management And Career Planning

Teaching Plan
(Academic Year 2020 - 21)

Name of the Faculty: Professor Zahra Dehghani

Subject/Paper Name: Performance Management and Career Planning

Month	Topics to be covered



August	Unit 1 - Performance management – An Overview
September	Unit 4 - Career Planning And Development
October	Unit 2 - Performance Management Process
November	Unit 3 – Ethics under Performance and Key Issues in Performance Management

TEACHING PLAN: 2021 – 2022

Name: DR.RANADE A J.

Department: **PHYSICS**

Month	Topics to be covered
June	TY-P-II SSP ..U-I SY-P-II ..OSCILLTOR FY.....
July	TY..U-I..+MCQ.+PROB. SY..OCILLATOR FY.....
August	TY.U-II..COND.METALS +MCQ +PROB + ATOMIC...RAMAN SP. SY..OSCILLATOR FY.....LENSES
September	TY.U -III .SEM.THEORY +MCQ +PROB. + ATOMIC...RAMAN SP+ MCQ +PROB. SY..OP-AMP FY...ABERRATION
October	TYU-IV.SSDEVICE +MCQ +PROB. SY..OP-AMP FY..INTERFERENCE
November	TY SY FY

Semester – **II,IV,VI**

Class: **TY/SY/FY**

Division:

Subject / Paper:

Month	Topics to be covered
December	TY..P-IV..U-I.RELA.KINEMATICS..PROB.+MCQ SY..P-II..OPTICS FY..VECTOR THEORY
January	TY..REL.DYNAMICS +PROB +MCQ SY..FRAUN.DIFFRACTION FY..VECTOR THEORY
February	TY..REL.DYNAMICS +PROB +MCQ + NUCLEAR DETECTORS..MCQ + PROB. SY..FRAUN.DIFF. FY..DIVERGENCE VT
March	TYSPACE..TIME +PROB +MCQ + NUCLEAR DETECTORS..MCQ + PROB. SY..FRESNEL DIFF. FY..GRADIENT VT
April	TY..ELEC.DYNAMICS. +PROB +MCQ SY..FRESNEL DIFF. FY..CURL VT
May	TY ..RIVIAION SY..RIVISION FY..RIVISION..MCQ



Semester – 1**Class: FYBSc.****Division: A**

Subject / Paper: Zoology

Name: Dr. Ansariya Rana

Department: Zoology

Month	Topics to be covered
June	-
July	-
August	-
September	Biodiversity and its conservation
October	Footsteps to follow
November	Examination

Semester – 2**Class: FYBSc.****Division: A****Subject / Paper:**

Month	Topics to be covered
December	Ecosystem
January	Ecosystem
February	National Parks and Sanctuaries
March	National Parks and Sanctuaries
April	Revision/Examination
May	Examination

Semester – 3**Class: SYBSc.****Division: A**

Subject / Paper: Zoology

Name: Dr. Ansariya Rana

Department: Zoology

Month	Topics to be covered
June	-
July	Study of nutrition and excretion
August	Ethology
September	Control and coordination, locomotion and reproduction
October	Revision/Examination
November	Examination

Semester – 4**Class:****Division:****Subject / Paper:**

Month	Topics to be covered
December	Cell Biology,
January	Pollution and its Effect on Organisms
February	Pollution and its Effect on Organisms/ Biomolecules
March	Biomolecules
April	Revision/Examination
May	Examination

Semester – 5**Class: TYBSc.****Division: A**

Subject / Paper: Zoology

Name: Dr. Ansariya Rana

Department: Zoology

Month	Topics to be covered
June	-
July	Principles of Taxonomy
August	Kingdom Animalia I/ Oceanography
September	Basic Haematology/ Crafts and gears
October	Revision/Examination
November	Examination

Semester – 6**Class:****Division: A****Subject / Paper:**

Month	Topics to be covered
December	Marine fin fish of India



January	Homeostasis
February	Group Euchordata II
March	Group Euchordata III
April	Marine shell fish of India
May	Examination

TEACHING PLAN: 2021 – 2022

Semester – I Class: F. Y. B. Sc. Division: PCM
Subject / Paper: I CALCULUS – I
Name: DR. S. ARUNACHALAM
Department: MATHEMATICS

Month	Topics to be covered
September 2021	The Real Number System
October 2021	Sequences in r
November 2021	First Order First Degree Differential Equations
December 2021	First Order First Degree Differential Equations

Semester – II Class: F. Y. B. Sc. Division: PCM
Subject / Paper I: CALCULUS – II

Month	Topics to be covered
January / February 2022	Limits and Continuity
March 2022	Differentiability of functions
April 2022	Applications of Differentiability
May 2022	Applications of Differentiability

TEACHING PLAN: 2021 – 2022

Semester – III Class: S. Y. B. Sc. Division: PM
Subject / Paper I: CALCULUS – III
Name: DR. S. ARUNACHALAM
Department: MATHEMATICS

Month	Topics to be covered
July 2021	Infinite Series
August 2021	Infinite Series and Riemann Integration
September 2021	Applications of Integration
October 2021	Improper Integrals

Semester – IV Class: S. Y. B. Sc. Division: PM
Subject / Paper I: CALCULUS IV

Month	Topics to be covered
December 2021	Functions of Several Variables
January 2022	Differentiation of Scalar Fields
February 2022	Applications of Differentiation of Scalar Fields
March 2022	Differentiation of Vector Fields

TEACHING PLAN: 2021 – 2022

Semester – III Class: S. Y. B. Sc. Division: PM
Subject / Paper III: ORDINARY DIFFERENTIAL EQUATIONS
Name: DR. S. ARUNACHALAM
Department: MATHEMATICS

Month	Topics to be covered
July 2021	Higher Order Linear Differential equations
August 2021	Systems of First Order Linear Differential equations
September 2021	Numerical Solutions of ODE
October 2021	Numerical Solutions of ODE

Semester – IV Class: S. Y. B. Sc. Division: PM
Subject / Paper III: NUMERICAL METHODS

Month	Topics to be covered
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December 2021	Solution of Algebraic and Transcendental Equations
January 2022	Interpolation and Curve Fitting
February 2022	Numerical Integration
March 2022	Solution of Linear System of Equation and EVP

TEACHING PLAN: 2021 – 2022

Semester – I Class: F. Y. B. Com Division: E
Subject / Paper: MATHEMATICAL AND STATISTICAL TECHNIQUES
Name: DR. S. ARUNACHALAM
Department: MATHEMATICS

Month	Topics to be covered
September 2021	Statistics: Summarization of Measures - MCT
October 2021	Statistics: Summarization of Measures - Dispersion
November 2021	Statistics: Decision Theory
December 2021	Statistics: Probability

Semester – II Class: F. Y. B. Com Division: E
Subject / Paper: MATHEMATICAL AND STATISTICAL TECHNIQUES

Month	Topics to be covered
January 2022	Statistics: Correlation
February 2022	Statistics: Regression
March 2022	Statistics: Index Numbers
April 2022	Statistics: Time Series Analysis
May 2022	Statistics: Probability Distributions

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBcom Division: B,C and E
Subject / Paper: Accountancy and Financial Management -I
Name: CA. Ashfaque Karim
Department: Accountancy

Month	Topics to be covered
June	NA
July	NA
August	Inventory Valuation
September	Accounting Standards and Inventory Valuation
October	Hire Purchase and Capital/Revenue
November	Final Accounts and Exams

Semester – II Class: FYBcom Division: B,C and E
Subject / Paper: Accountancy and Financial Management -II

Month	Topics to be covered
December	Fire Insurance
January	Fire Insurance
February	Consignment
March	Consignment
April	Incomplete records
May	Exams

TEACHING PLAN: 2021 – 2022

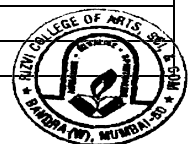
Semester – III Class: SYBcom Division: C
Subject / Paper: Accountancy and Financial Management -III
Name: CA. Ashfaque Karim
Department: Accountancy

Month	Topics to be covered
June	NA
July	Piece Meal Distribution
August	Piece Meal Distribution
September	Piece Meal Distribution
October	Piece Meal Distribution
November	Exams

Semester – IV

Class: SYBcom

Division: C



Subject / Paper: Accountancy and Financial Management -IV

Month	Topics to be covered
December	Profits Prior to Incorporation
January	Profits Prior to Incorporation
February	Profits Prior to Incorporation
March	Profits Prior to Incorporation
April	Profits Prior to Incorporation
May	Exams

TEACHING PLAN: 2021 – 2022**Semester – V****Class: TYBcom****Division: A,B and C**

Subject / Paper: Cost Accountancy

Name: CA. Ashfaque Karim

Department: Accountancy

Month	Topics to be covered
June	NA
July	Introduction and Materials Cost
August	Material Cost
September	Labour Cost
October	Overhead Cost
November	Revision and Exams

Semester – VI**Class: TYBcom****Division: A,B and C**

Subject / Paper: Cost Accountancy

Month	Topics to be covered
December	Standard Costing
January	Process Costing
February	Contract Costing
March	Marginal Costing
April	Revision
May	Examinations

TEACHING PLAN: 2021 – 2022**Semester – 1****Class: FYBSC Division: all combination with chemistry**

Subject / Paper: Chemistry Paper 2

Name: Damarwala Oan Abbas

Department: Chemistry

Month	Topics to be covered
June	
July	
August	
September	Chemical kinetics, Comparative chemistry of main group(unit 2), Stereochemistry I
October	Liquid state, Comparative chemistry of main group(unit 2), Stereochemistry I
November	Comparative chemistry of main group(unit 2), Stereochemistry I and revision

Semester – 2 Class: FYBSC Division: all combination with chemistry

Subject / Paper: Chemistry Paper 2

Month	Topics to be covered
December	Stereochemistry II, Ionic equilibria, Chemical bond and reactivity.
January	Aromatic compounds, Oxidation and reduction chemistry, Solid state chemistry, Molecular spectroscopy
February	Stereochemistry II, Ionic equilibria, Chemical bond and reactivity
March	Aromatic compounds, Oxidation and reduction chemistry, Solid state chemistry, Molecular spectroscopy
April	Molecular spectroscopy, Solid state chemistry, Aromatic compounds.
May	Revision and internal test of unit 1, 2 and 3.



TEACHING PLAN: 2021 – 2022**Semester – 3 Class: SYBSC Division: all combination with chemistry**

Subject / Paper: Physical Chemistry Paper 1 & 2

Name: Damarwala Oan Abbas

Department: Chemistry

Month	Topics to be covered
June	
July	Chemical thermodynamics-II
August	Chemical thermodynamics-II & Electrochemistry
September	Electrochemistry & Chemical Kinetics -II
October	Chemical Kinetics-II and Solutions
November	Solutions, revision and test for paper 1 and 2

Semester – 4 Class: SYBSC Division: all combination with chemistry**Subject / Paper: Chemistry Paper 1 & 2**

Month	Topics to be covered
December	Electrochemistry-II
January	Electrochemistry-II and Phase Equilibria,
February	Phase equilibria and Solid state
March	Solid state and Catalysis
April	Catalysis and revision and test for paper 1 and 2
May	Contd...revision and test for paper 1 and 2

Semester – 5 Class: TYBSC Division: A

Subject / Paper: Physical Chemistry Paper 1 & 2

Name: Damarwala Oan Abbas

Department: Chemistry

Month	Topics to be covered
June	
July	Molecular spectroscopy
August	Molecular spectroscopy and Chemical Thermodynamics
September	Chemical Thermodynamics, Chemical Kinetics and Nuclear chemistry
October	Nuclear chemistry and Surface chemistry & Colloidal state
November	Surface chemistry & Colloidal state with revision and test for unit 1, 2, 3 and 4

Semester – 6 Class: TYBSC Division:A**Subject / Paper: Chemistry Paper 1 & 2**

Month	Topics to be covered
December	Electrochemistry
January	Electrochemistry and Polymers
February	Polymers and Basics of Quantum Chemistry
March	Renewable energy resources and NMR nuclear magnetic resonance spectroscopy
April	NMR nuclear magnetic resonance spectroscopy with revision and test for unit 1, 2, 3 and 4
May	Revision and test for unit 1, 2, 3 and 4

BOTANY

TEACHING PLAN: 2021 – 2022**DR NITESH JOSHI**

Semester – I

Class - FYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
June	
July	Ecology
August	



	Ecology
September - October	ECOLOGY

Semester - II

Class - FYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
November	
December	Physiology
January	Physiology
February-March	Medicinal Botany

Semester - III

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - I

Month	Topics to be Covered
June	
July	ANGIOSPERMS
August	Angiosperms
September - October	Angiosperms

Semester - IV

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
November	PHYSIOLOGY
December	Physiology
January	Physiology Ecology & Environmental Botany
February-March	Plant Biochemistry Ecology & Environmental Botany



Semester - III

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - III

Month	Topics to be Covered
June	Pharmacognosy Forestry
July	Phytochemistry Forestry
August	PHARMACOGNOSY
September - October	FORESTRY

Semester - IV

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - III

Month	Topics to be Covered
November	Horticulture
December	Horticulture
January	Biotechnology
February-March	

Semester - V

Class - TYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
June	Angiosperms I
July	Angiosperms I
August	Angiosperms I
September - October	Angiosperms I

Semester - VI

Class - TYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
November	Angiosperms



December	Angiosperms I
January	Angiosperms II
February-March	Angiosperms II

Semester - V Class - TYBSc Division - A
 Subject/ Paper Name - Botany - III

Month	Topics to be Covered
June	Physiology I
July	Physiology I
August	Environmental Botany
September - October	Environmental Botany

Semester - VI Class - TYBSc Division - A
 Subject/ Paper Name - Botany - III

Month	Topics to be Covered
November	Physiology II Horticulture
December	Physiology II
January	PHYSIOLOGY
February-March	PHYSIOLOGY

TEACHING PLAN: 2021 – 2022

Semester – I/II/III/IV/V/VI

Class: FY/SY/TY

Division: FY Div- B,C,D,E/ SY Div– A,B,C /TY Div – A, B

Subject / Paper: FY- Com I & II SY- Com III&IV & TY – Com V &VI

Name: Dr Ashfaq Khan

Department:Commerce

Month	Topics to be covered
June	SY &TY Module I
July	SY & TY Module II
August	FY Module I SY &TY Module III
September	FY Module I SY & TY Module IV
October	FY Module I SY & TY Module IV
November	FY Module II



Month	Topics to be covered
December	SY & TY Module I
January	SY & TY Module II
February	FY Module I SY & TY Module III
March	FY Module I SY & TY Module IV
April	FY Module II SY & TY Module IV
May	

Teaching Plan

(Academic Year 2021 - 22)

Semester: I

Class: FYBCOM

Division- A,B,C & E

Subject/Paper Name: Business Economics

Month	Topics to be covered
September	Scope and importance of business economics, basic tools in economics, opportunity cost principle, incremental and marginal concepts, basic economic relation and functional relation. Market demand and market supply curves and equilibrium, nature of demand curve in different markets.
October	types and measurement of elasticity of demand, relationship between EOD and revenue concepts, meaning, types and methods of demand forecasting, case studies
November	Production function- short run and long run, law of variable proportion, law of returns to scale, isoquants- types and properties, ridge lines and least cost combination of inputs, cost concepts, case studies
December	Cost output relationship in the short run and long run, LAC and learning curve, break-even analysis, case studies

Semester: II

Class: FYBCOM

Division- A,B,C & E

Subject/Paper Name: Business Economics

Month	Topics to be covered
January	Types of Market structure, short run and long run equilibrium of a firm and industry under perfect competition and monopoly, sources of monopoly power, monopolistic elements and equilibrium of a firm under monopolistic competition, excess capacity and inefficiency- case studies
February	Key attributes of oligopoly market, collusive and non-collusive oligopoly, price rigidity, cartels and price leadership, cost- plus pricing, marginal cost pricing
March	Mark-up pricing, discriminating pricing, transfer pricing, product pricing, case studies, meaning, importance and steps involve in capital budgeting
April	Payback period, net present value , internal rate of return method, case studies

Teaching Plan

(Academic Year 2021 - 22)

Semester: III

Class: SYBCOM

Division- A, C and D

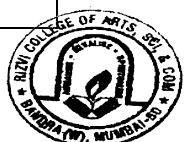
Subject/Paper Name: Business Economics

Month	Topics to be covered
June	Introduction to macro economics, Circular Flow of Income: Closed (two and three sector models) and Open Economy, Models, Trade Cycles: Features and Phases , Measurement of National Income
July	Says law of market, Consumption function, Investment function, Investment Multiplier-Working, assumption, reverse operation and leakages of Multiplier
August	Phillips Curve – Causes, Effects and Measures to Control Inflation, IS-LM Model: Framework, Impact of Fiscal and Monetary Policy Changes, Stagflation
September-October	Supply of Money: Concept, Constituents and Determinants of Money Supply Velocity of Circulation of Money: Meaning and Factors Determining .Keynes' Theory of Demand for Money , Liquidity Preference Theory of Rate of Interest , Inflation: Concept and Rate of Inflation – Demand Pull and Cost Push Inflation

Semester: IV

Class: SYBCOM

Division- A



Subject/Paper Name: Business Economics

Month	Topics to be covered
November	Efficiency, Productive and Allocative efficiency, producer surplus and consumer surplus
December	Principle of maximum social advantage, market, Market failure, Causes and Role of Government to correct Market failure
January	Sources of revenue, Direct and Indirect taxes, objectives of taxation, Tax base and Tax rate, Canon of Taxation, Impact, Incidence and Shifting of Taxation
February	Public expenditure, Classification, Causes, Theories on Public expenditure, Public debt
March	Management of Public debt, fiscal policy, concepts of deficit, structure of Union budget, types of budget, Fiscal federalism, Fiscal decentralization, centre-state fiscal relation

**Teaching Plan
(Academic Year 2021 - 22)**

Semester: V Class: TYBCOM Division- A & B
Subject/Paper Name: Business Economics

Month	Topics to be covered
June	NEP 1991, Social Infrastructure, Government programmes to promote health and Education, Sustainable development goals, FDI
July	NAP 2000, Agricultural Finance, Agriculture Marketing, Agricultural Pricing
August	Industrialisation, Competition Act 2000, Disinvestment Policy, MSME Sector, Service sector
September	Banking Sector, Insurance Sector, Capital market and Money Market

Semester: VI Class: TYBCOM Division- A & B
Subject/Paper Name: Business Economics

Month	Topics to be covered
November	Theories of International Trade: Comparative Cost Theory, Heckscher Ohlin Theory, Terms of Trade: Meaning & Types – Gains from Trade (with Offer Curves)
December	Concept & Structure of BOP, Causes of Disequilibrium, Measures to Correct Disequilibrium in BOP- India's BOP Position since 1991- WTO Agreements with reference to TRIPS, TRIMS and GATS
January	Concept of Foreign Exchange Market: Functions and Dealers - Exchange Rate Systems - Spot and Forward Exchange Rate - Hedging, Arbitrage and Speculation, Exchange Rate Determination -Purchasing Power Parity Theory
February- March	Role of Central Banks in Foreign Exchange Market -RBI's Intervention in Foreign Exchange Rate Management Since 1991 (stages)

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBSC Division: A

Subject / Paper: CHEMISTRY - I
Name: DR. NAZAR ABBAS JAFRY
Department: CHEMISTRY

Month	Topics to be covered
June	
July	
August	
September	Atomic Structure
October	Periodic Table and Periodicity
November	Comparative Chemistry of Main Group Elements Chemical Thermodynamics I
December	Chemical Calculations

Semester – II Class: FYBSC Division: A



Subject / Paper: CHEMISTRY - I

Month	Topics to be covered
January	Gaseous State
February	Chemical Equilibria and Thermodynamic Parameters
March	Concept of Qualitative Analysis Acid Base Theories
April	Chemical Bond and Reactivity
May	Oxidation Reduction Chemistry

TEACHING PLAN: 2021 – 2022**Semester – III Class: SYBSC Division: A**

Subject / Paper: CHEMISTRY - III

Name: DR. NAZAR ABBAS JAFRY

Department: CHEMISTRY

Month	Topics to be covered
June	
July	Introduction to Analytical Chemistry and Statistical Treatment of analytical data
August	Introduction to Analytical Chemistry and Statistical Treatment of analytical data Classical Methods of Analysis
September	Classical Methods of Analysis Instrumental Methods-I
October	Instrumental Methods-I
November	

Semester – IV Class: SYBSC Division: A**Subject / Paper: CHEMISTRY - III**

Month	Topics to be covered
December	Separation Techniques in Analytical Chemistry
January	Separation Techniques in Analytical Chemistry Instrumental Methods-II
February	Statistical Treatment of Analytical Data
March	Statistical Treatment of Analytical Data
April	Revision
May	

TEACHING PLAN: 2021 – 2022**Semester – V Class: TYBSC Division: A**

Subject / Paper: CHEMISTRY - IV

Name: DR. NAZAR ABBAS JAFRY

Department: CHEMISTRY

Month	Topics to be covered
June	
July	Treatment of analytical data I Sampling
August	Separation Techniques II Paper, TLC, HPLC, HPTLC
September	Atomic Spectroscopy, AES & AAS Molecular Fluorescence & Phosphorescence Spectroscopy
October	Turbidimetry and Nephelometry Titrimetric Analysis
November	Solvent Extraction Spectrophotometry

Semester – VI Class: TYBSC Division: A**Subject / Paper: CHEMISTRY - IV**

Month	Topics to be covered
December	Chromatographic Techniques II GC, Ion Exchange & Size Exclusion
January	Thermal Methods



	Radio Analytical Methods
February	Food and Cosmetics Introduction to Food Chemistry Cosmetics
March	Electro Analytical Techniques Potentiometric Titrations Polarography
April	Amperometric Titrations

TEACHING PLAN: 2021-2022

Semester: I

Class: FYBMS

Division: A

Subject / Paper: Foundation Course-I

Name: Mr.Mohammed Gaus Ansari

Department: BMS

Month	Topics to be covered
June	-----
July	-----
August	-----
September	Module I: Overview of Indian Society Module II: Concept of Disparity- 1, Concept of Disparity-2
October	Module III and IV: The Indian Constitution, Significant Aspects of Political Processes
November	Revision: Module I, II, III and IV

Semester: I

Class: FYBMS

Division: B

Subject / Paper: Foundation Course-I

Month	Topics to be covered
June	-----
July	-----
August	-----
September	Module I: Overview of Indian Society Module II: Concept of Disparity- 1, Concept of Disparity-2
October	Module III and IV: The Indian Constitution, Significant Aspects of Political Processes
November	Revision: Module I, II, III and IV

TEACHING PLAN: 2021-2022

Semester: III

Class: SYBMS

Division: A

Subject / Paper: Strategic Management

Name: Mr.Mohammed Gaus Ansari

Department: BMS

Month	Topics to be covered
June	-----
July	Module I: Business Policy, Strategy
August	Module I: Strategic Management, Strategic Intent. Module II: Strategy Formulation
September	Module II: Strategy Formulation Module III: Strategic Implementation
October	Module IV: Strategic Evaluation & Control
November	Revision: Module I, II, III and IV

Semester: III

Class:SYBMS

Division:B

Subject / Paper: Strategic Management

Month	Topics to be covered
June	-----
July	Module I: Business Policy, Strategy
August	Module I: Strategic Management, Strategic Intent. Module II: Strategy Formulation
September	Module II: Strategy Formulation Module III: Strategic Implementation
October	Module IV: Strategic Evaluation & Control
November	Revision: Module I, II, III and IV



TEACHING PLAN: 2021-2022

Semester: III

Class: SYBMS

Division: A

Subject / Paper: Foundation Course-III

Name: Mr.Mohammed Gaus Ansari

Department: BMS

Month	Topics to be covered
June	-----
July	Module I: Environmental Concepts
August	Module I: Biogeochemical cycles Module II: Environment degradation
September	Module II: Waste Management. Module III: Sustainability and role of business
October	Module IV: Innovations in business- an environmental perspective
November	Revision: Module I, II, III and IV

Semester: III

Class:SYBMS

Division:B

Subject / Paper: Foundation Course-III

Month	Topics to be covered
June	-----
July	Module I: Environmental Concepts
August	Module I: Biogeochemical cycles Module II: Environment degradation
September	Module II: Waste Management. Module III: Sustainability and role of business
October	Module IV: Innovations in business- an environmental perspective
November	Revision: Module I, II, III and IV

TEACHING PLAN: 2021-2022

Semester: V

Class: TYBMS

Division: A

Subject / Paper: Corporate Communication and Public Relation

Name: Mr.Mohammed Gaus Ansari

Department: BMS

Month	Topics to be covered
June	-----
July	Module I: Foundation of Corporate Communication
August	Module I: Ethics and Law in Corporate Communication Module II: Understanding Public Relations
September	Module II: Theories used in Public Relations. Module III: Functions of Corporate Communication and Public Relations
October	Module IV: Emerging Technology in Corporate Communication and Public Relations
November	Revision: Module I, II, III and IV

Semester: V

Class:TYBMS

Division:B

Subject / Paper: Corporate Communication and Public Relation

Month	Topics to be covered
June	-----
July	Module I: Foundation of Corporate Communication
August	Module I: Ethics and Law in Corporate Communication Module II: Understanding Public Relations
September	Module II: Theories used in Public Relations. Module III: Functions of Corporate Communication and Public Relations
October	Module IV: Emerging Technology in Corporate Communication and Public Relations
November	Revision: Module I, II, III and IV

TEACHING PLAN: 2021-2022

Semester: V

Class: TYBMS

Division: C

Subject / Paper: Industrial Relation

Name: Mr.Mohammed Gaus Ansari



Department: BMS

Month	Topics to be covered
June	-----
July	Module I: Industrial Relations- An overview
August	Module I: Industrial Relations- An overview Module II: Industrial Disputes
September	Module II: Industrial Disputes Module III: Trade Unions and Collective Bargaining
October	Module IV: Industrial Relations Related Laws in India
November	Revision: Module I, II, III and IV

Teaching Plan Format: FYBCOM/SEM 1/ COM 1: A,D,E

Months	Topic Covered
JULY	MODULE 1
AUG	MODULE 2
SEPT	MODULE 3
OCT	MODULE 4

Teaching Plan Format: FYBCOM/SEM 2/ COM 2: A,D,E

Months	Topic Covered
NOV/DEC	MODULE 1
JAN	MODULE 2
FEB	MODULE 3
MAR	MODULE 4

Teaching plan 2021-22

Semester V Class: S.Y.B.COM Division: B, D
Subject/ Paper Name : : Commerce II (Functions and Challenges)

Months	Topics to be covered
June	Management – definition & characteristics, Development of management, MIS, MBE.
July	Planning , forecasting , decision making Characteristics, merits & demerits of planning, classification and components of planning ,Essential of good plan, MBO,
August	Departmentalization, formal & informal organization Matrix, delegation of authority , Organizational hierarchy- charts, virtual organization.
September – October	CSR, Knowledge management, corporate governance, stress management

Semester: V I Class :S.Y.B.COM Division :B, D
Subject/ Paper Name : Commerce II (Production and finance)

Months	Topics to be covered
November	Production planning and control- meaning, objectives, productivity , inventory control techniques.
December	Quality management- techniques, QC, TQM, ISO , six sigma.
January	Indian financial system, Indian financial market, SEBI, Stock exchange, credit rating agencies.
February – March	Contemporary practices in financial markets, mutual funds, lease finance, derivatives , micro finance.

Teaching plan 2021-22

Semester III Class: S.Y.B.COM Division: B, D
 Subject/ Paper Name : ADVERTISING

Months	Topics to be covered
June	Introduction to advertising – meaning, evolution, functions, scope, trends, challenges
July	Advertising as a component of marketing- concepts, IMC, PLC , brand building ,consumer behavior, market segmentation.
August	Classification of advertising- special purpose of advertising, corporate image advertising, DAVP
September – October	Economic , social and regulatory, aspects of advertising, economic and social aspects of advertising, ethical issues , regularalatory system.

Semester: IV Class : S.Y.B.COM Division :B, D
 Subject/ Paper Name : ADVERTISING

Months	Topics to be covered
November	Advertising agency- meaning , features, types. Client relationship, agency accreditation , careers in advertising
December	Media – indoor/outdoor, broadcasting, print
January	Planning in ad- making , creative brief,setting communication & sales objectives for add campaign.
February – March	Creativity in advertising – role, message theme, USP,pre-testing and post- testing add.

Teaching Plan Format: TYBCOM/ SEM 5 (MARKETING)/ B&C

Months	Topic Covered
JUNE / JULY	MODULE 1
AUG	MODULE 2
SEPT	MODULE 3
OCT	MODULE 4

Teaching Plan Format: TYBCOM/ SEM 6 (HRM)/ B&C

Months	Topic Covered
NOV/DEC	MODULE 1
JAN	MODULE 2
FEB	MODULE 3
MAR	MODULE 4

Teaching plan 2021-22

Semester V Class: T.Y.B.COM Division: C
 Subject/ Paper Name Business Management II



Months	Topics to be covered
June	Financial management – definition, nature & functions Objectives, importance & limitation of FM
July	Financial statement – analysis and interpretation Steps, comparative, common size and trend analysis statement
August	Sources of finance and cash flow analysis
September – October	Sources of finance and cash flow analysis

Semester: V I Class : T.Y.B.COM Division : C
Subject/ Paper Name Business Management II

Months	Topics to be covered
November	Working capital management
December	Working capital management
January	Basic principles of cost accounting
February – March	Basic principles of cost accounting

TEACHING PLAN: 2021 – 2022

Semester – I/III/V

Class: FY/SY/TY BSc

Name: Mr. Khan Moharram Ali

Department: Physics

Month	Topics to be covered
June	FY: SY: TY:
July	FY: SY: Paper-I Unit-I Chapter-1 Compound Pendulum TY: Paper-I Unit-I Chapter-1 Differential Equation
August	FY: SY: Paper-I Unit-I Chapter-2 conservation of linear and angular moment. Paper-II Unit-I Chapter-1 Vector Analysis Paper-III Unit-I Chapter-1 Acoustic of building TY: Paper-I Unit-I Chapter-2 Partial Differential Equation Chapter-3 Complex Analysis Unit-II Chapter-1 Probability Theory



September	FY: Paper-I Unit-I Newtons law of motion SY: Paper-I Unit-I Chapter-3 Oscillation Paper-II Unit-I Chapter-1 Vector Analysis Paper-III Unit-I Chapter-2 LASER TY: Paper-I Unit-III Chapter-1 Thermal Physics
October	FY: Paper-I Unit-I Newtons law of motion SY: Paper-I Unit-I Chapter-3 Oscillation Paper-II Unit-I Chapter-2 Curve linear geometry Paper-III Unit-I Chapter-2 Fiber Optics TY: Paper-I Unit-III Chapter-1 Classical and Quantum Statistics
November	FY: Paper-I Unit-I Elasticity and Fluid Dynamics

Semester – II/IV/VI Class: FY/SY/TY BSc

Month	Topics to be covered
November	FY: SY: Paper-II Unit-I Chapter-1 Scherdinger's Equation TY: Paper-I Unit-I Chapter-1 Central force
December	FY: Paper-I Unit-II Differential Equation SY: Paper-II Unit-I Chapter-1 Scherdinger's Equation TY: Paper-I Unit-I Chapter-2 Moving coordinate system Unit-II Chapter-3 Lagrangian Equation
January	FY: Paper-I Unit-II Differential Equation SY: Paper-II Unit-I Chapter-2 Application of Scherdinger's Equation-I TY: Paper-I Unit-III Chapter-4 Mechanics of continuous media
Feburary	FY: Paper-I Unit-II Transient response of circuit SY: Paper-II Unit-I Chapter-2 Application of Scherdinger's Equation-I TY: Paper-I Unit-III Chapter-5 Rigid body
March	FY: Paper-I Unit-II Transient response of circuit SY: Paper-II Unit-I Chapter-3 Application of Scherdinger's Equation-II TY: Paper-I Unit-III Chapter-6 Non-linear mechanics
April	FY: Paper-I Unit-II Transient response of circuit SY: Paper-II Unit-I Chapter-3 Application of Scherdinger's Equation-II TY: Paper-I Unit-III Chapter-6 Non-linear mechanics

BOTANY
TEACHING PLAN: 2021 – 2022
MRS NEHA NANGIA

Semester - I Class - FYBSc Division - A
Subject/ Paper Name - Botany – I
NAME: MRS NEHA NANGIA

Month	Topics to be Covered
June	
July	Fungi
August	Fungi Bryophytes
September - October	Bryophytes



Subject/ Paper Name - Botany - I

Month	Topics to be Covered
November	Pteridophytes
December	Pteridophytes
January	
February-March	

Semester – I

Class - FYBSc

Division - A

Subject/ Paper Name - Botany – II

NAME:MRS NEHA NANGIA

Month	Topics to be Covered
June	
July	Cell Biology
August	Cell Biology Genetics
September - October	Genetics

Semester - II

Class - FYBSc

Division - A

Subject/ Paper Name - Botany – II

NAME:MRS NEHA NANGIA

Month	Topics to be Covered
November	Anatomy
December	Anatomy
January	ANATOMY
February-March	ANATOMY



Semester - III

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - I

Month	Topics to be Covered
June	Algae
July	Algae
August	FUNGI
September - October	FUNGI

Semester - IV

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - I

Month	Topics to be Covered
November	Fungi
December	FUNGI
January	FUNGI
February-March	Gymnosperm

Month	Topics to be Covered
June	Cell Biology Cytogenetics
July	Cell Biology Cytogenetics
August	Cell Biology Cytogenetics
September - October	Cell Biology

Semester - IV

Class - SYBSc

Division - A

Subject/ Paper Name - Botany - II

Month	Topics to be Covered
November	Anatomy



December	Anatomy
January	Physiology
February- March	ANATOMY

Semester - III Class - SYBSc Division - A
 Subject/ Paper Name - Botany – III
 NAME:MRS NEHA NANGIA

Month	Topics to be Covered
June	Pharmacognosy
July	Phytochemistry
August	Molecular Biology
September - October	Molecular Biology

Semester - IV Class - SYBSc Division - A
 Subject/ Paper Name - Botany – III
 NAME:MRS NEHA NANGIA

Month	Topics to be Covered
November	Biostatistics
December	Biotechnology
January	Biotechnology Bioinformatics
February-March	Bioinformatics

Semester - V Class - TYBSc Division - A
 Subject/ Paper Name - Botany - II

Month	Topics to be Covered
June	Anatomy I
July	Anatomy I
August	ANATOMY



September - October	ANATOMY
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Semester - VI Class - TYBSc Division - A
Subject/ Paper Name - Botany - II

Month	Topics to be Covered
November	ANATOMY
December	ANATOMY
January	Anatomy II
February-March	Anatomy II

Semester - V Class - TYBSc Division - A
Subject/ Paper Name - Botany - III

Month	Topics to be Covered
June	Biostatistics
July	Biostatistics
August	Cytology
September - October	Molecular BioloGY

Semester - VI Class - TYBSc Division - A
Subject/ Paper Name - Botany - III

Month	Topics to be Covered
November	Physiology II
December	Physiology II
January	Genetics
February-March	Genetics

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBA Division: A

Subject / Paper: **101 Foundations of Sociology**
Name: Mariyah Gour



Month	Topics to be covered
June	
July	
August	
September	Unit I- Emergence of Sociology as a discipline and its relevance today a. Origin and development of the discipline of sociology b. Relationship between sociology and other social sciences c. Development of Sociology d. Pioneers of Sociology: August Comte (Law of 3 stages) Herbert Spencer (Organic analogy), Emile Durkheim (Division of Labor) and Karl Marx (Conflict) Careers in Sociology
October	UNIT IV: SOCIALIZATION a. Understanding Socialization: The Self and Socialization George Herbert Mead: Theory of the Social Self Charles Horton Cooley: Looking Glass Self b. The Role and agencies of Socialization Family, School, Peer group and Mass media
November	Gender Socialization, Re-Socialization, Political Socialization, Occupational- Professional Socialization

Semester – II Class: FYBA Division: A

Subject / Paper: 201- Fundamentals of Sociology

Month	Topics to be covered
December	UNIT I: SOCIAL INTERACTION Daily life encounter -- relationship between culture and communication, verbal and non-verbal communication (face, body, gestures).
January	Theories -- Dramaturgy (Erving Goffman), Ethnomethodology (Garfinkel)
February	Virtual Interaction -- Interaction, relationships at a distance on a global/virtual platform, building trust, etc.
March	UNIT II: SOCIAL STRATIFICATION a. Concept of Social stratification b. Types of Social Stratification and Discrimination -- Age , Caste,
April	Class , Gender , Religion , Race and Differently Abled
	c. Social Mobility
May	Exam

TEACHING PLAN: 2021 – 2022

Semester – III Class: SYBA Division: A

Subject / Paper: 301- INDIAN SOCIETY: STRUCTURE AND CHANGE

Name: Mariyah Gour

Department: Sociology

Month	Topics to be covered
June	
July	Unit I Indian Sociological Perspectives a. Orientalist Approach/Indology and Structure--functionalism (G. S. Ghurye & M.N.Srinivas)
August	b. Dialectical approach to Sociology (A. R. Desai) c. Non- Brahmanical Approach (Dr.B.R.Ambedkar) Unit II Contemporary Sociologists (Selected readings) a. Sharmila Rege (Caste and Gender) b. Leela Dube (Kinship) c. T. K. Oommen (Religion)
September	Unit III Contemporary Challenges in Indian Society Trends in Dalit Movement b. Resurgence of Ethnic identities



	c. Gender and Marginalization
October	Unit IV Socio– Cultural Landscape of Maharashtra a. Regional diversity and communities in Maharashtra b. Tourism in Maharashtra – Economy and Society c. Food Culture intertwined with different cultural identities
November	Exams

Semester – IV Class: SYBA Division: A
Subject / Paper: 402- EMERGING FIELDS IN SOCIOLOGICAL STUDIES

Month	Topics to be covered
December	Unit I: Communication, Media and Society Media Theories: Functionalist, Conflict, Interactionist & Feminist b. Advertising and New Social Media- objectification of women a.
January	c. Gatekeepers of media/journalism Unit II: Contemporary Issues in Education Right To Education a. b. New trends in education system: Concept based learning,
February	Personalized learning (MOOCs) c. Critique- NEP: Privatization of Higher education Unit III: Urban Governance Disaster Management: Mithi mitigation in Mumbai, Drought in Vidharba b. Lack of availability of Open Space- Consumerist spaces and Green spaces a.
March	e. Street Vendors and Hawkers- The Street Vendors Act 2014 Unit IV: Geriatric Care Phenomenon of Population Ageing a. b. Old Age Home, Senior Citizens Association, Day care center
April	c. Geriatric care: Government and non-governmental initiatives in India
May	Exams

TEACHING PLAN: 2021 – 2022

Semester – V Class: TYBA Division: A
Subject / Paper: 501- THEORETICAL SOCIOLOGY
Name: Mariyah Gour
Department: Sociology

Month	Topics to be covered
June	
July	Historical Context : The Enlightenment Contribution of August Comte ;Contribution of Herbert Spencer
August	Emile Durkheim-Division of labour, Theory of Suicide, Elementary Forms of Religious Life, Social Facts Max Weber- Methodology: Theory of Social Action , The Protestant Ethics and the Spirit of Capitalism
September	Unit II Structural Functionalism 1. Talcott Parsons- Voluntaristic Theory of Social Action, Theory on social system (AGIL analysis) 2. Merton's functionalism-Definition of function, Functional alternatives Unit III Conflict theories 1. Karl Marx- Dialectic Materialism; class conflict; Alienation 2. Ralph Dahrendorf- Conflict Theory; Power and Authority
October	Unit IV Contemporary Theories 1. Harold Garfinkel :Ethnomethodology 2. Erving Goffman: Dramaturgy 3. Antonio Gramsci: Hegemony and the Ruling Ideas
November	Exams

Semester – V I Class: TYBA Division: A
Subject / Paper: 601- Anthropological Thought

Month	Topics to be covered
December	Unit I Introduction to Anthropology 1. Nature and scope of Anthropology



	2. Sub-disciplines within anthropology: Physical, Cultural, Archaeology, Linguistic 3. Relation with sociology as a discipline 4. Field methods in Anthropology
January	Unit II Early Thought 1. Evolution – Edward Tylor, L.H. Morgan 2. Historical Particularism - Franz Boas 3. Functionalism- Malinowski's Theory of Need 4. Colonial anthropology- Verrier Elvin's Methods of a
February	Freelance Anthropologist Unit III Later Development 1. Culture and Personality- Margaret Mead's Coming of Age in Samoa 2. Patterns of Culture – Ruth Benedict 3. Marxian Feminism- Eleanor Burke Leacocke 4. Interpretative Anthropology – Clifford Geertz' Thick Description "Deep Play: Notes on the Balinese Cockfight"
March	Unit IV Contemporary Indian Thinkers 1. Virginous Xaxa- "Tribes and Indian National Identity: Location of Exclusion and Marginality" 2. Nandini Sunder- "Educating for Inequality: The Experiences of India's "Indigenous" Citizens"
April	3. Patricia Uberio- "The Diaspora Comes Home: Disciplining Desire in DDLG"
May	Exams

TEACHING PLAN: 2021 – 2022

Semester – V Class: TYBA Division: A

Subject / Paper: **503- Sociology of Gender (Elective)**

Name: Mariyah Gour

Department: Sociology

Month	Topics to be covered
June	
July	Unit 1 Basic Concept Sex, gender and the heteronormative regime Gender beyond the binary Many women, many feminisms and intersectionality
August	Unit 11 Feminist perspectives: Selected Reading Classical Liberal – Mary Wollstonecraft Radical - Kate Millet Socialist - Juliet Mitchell Contemporary Black feminism – bell hooks Postmodern feminism: Julia Kristeva
September	Unit III New Challenges Dalit feminism: Kumud Pawade Queer perspectives: Judith Butler Masculinity Studies
October	Unit 111 History of Women's Struggles Colonial - nationalist era : Key debates Child marriage, widowhood, sati, education, political rights Contemporary era Emergence of the autonomous women's movement: Campaigns against Dowry, Rape and Women's Right to Health Current debates: Sexual violence and Rights in Marriage and Divorce
November	Exams

Semester – VI Class: TYBA Division: A

Subject / Paper: **603- Gender and Society in India: Contemporary Debates and Emerging Issues**

Month	Topics to be covered
December	Unit I Sites of Violence Against Women Family as a site of violence: Invisible forms of everyday violence Women in situations of conflict: communal conflict, caste violence and armed conflict. Sexual harassment: Street and work place (Protection of Women from Sexual



	Harassment (Prevention and Redressal) Act, 2013) Violence in virtual spaces: Twitter and facebook misogyny and trolling
January	Unit II Marginalised Genders Gender galaxy Queer activism Section 377
February	Unit III Protests and Resistance Reproductive Health: Debates on surrogacy Livelihood struggles: Land and forests Legislation: A feminist critique (rape and domestic violence)
March	Unit IV Feminist campaigns in digital spaces Why loiter Right to bleed Pinjra Tod #Me too
April	Revision, Test
May	Exam

TEACHING PLAN: 2021 – 2022

Semester – V Class: TYBA Division: A

Subject / Paper: **505- Environment and Society: Theory and Awareness**

Name: Mariyah Gour

Department: Sociology

Month	Topics to be covered
June	
July	Unit I Concepts and Theoretical Approaches a. Environment; ecology, social ecology
August	b. environmental sociology: Catton and Dunlap c. Natural capitalism, Eco-socialism, Eco spiritualism
September	Unit III Environmental Politics a. Environmentalism- early development; Gandhiji's view on environmentalism b. International environmental politics- Green parties, environmental groups
October	Grassroots environmentalism c. Privatization of Water: Issues and Challenges
November	Exams

Semester – VI Class: TYBA Division: A

Subject / Paper: 605- Environmental Concerns in India

Month	Topics to be covered
December	Unit I Environmental Problems: Rural Context a. The environmental impact of the green revolution b. Western Ghats Ecology Expert Panel Report (Eco-Sensitive Zones)
January	c. Water scarcity and water management; rainwater harvesting – case study of Johads in Rajasthan
February	Unit IV Protests against Infrastructural Development a. Save Aarey Campaign b. Protest against new Development Plan for Mumbai and privatization of open spaces
March	c. New airport at Navi Mumbai
April	Exams
May	

TEACHING PLAN: 2021 – 2022

Semester – V Class: TYBA Division: A

Subject / Paper: **506- Quantitative Social Research**

Name: Mariyah Gour

Department: Sociology

Month	Topics to be covered
June	
July	Unit I Quantitative Research Quantitative Research – Nature, characteristics, significance, critique Types of data – Primary and Secondary, Small and Big



	Theoretical considerations – Positivism
August	Unit II Process of Quantitative Research Writing research proposal Main steps in quantitative research Writing research report
September	Unit III Aspects of Quantitative Research Survey Method, Technique of Questionnaire Sampling
October	Unit IV Quantitative Data Analysis (Univariate Analysis) Measures of Central Tendency , Measures of Dispersion Correlation Introduction to SPSS
November	Exams

Semester – VI Class: TYBA Division: A

Subject / Paper: 606 Qualitative Social Research

Month	Topics to be covered
December	Unit I Qualitative Research a. Qualitative Research – Nature, characteristics, significance, critique b. Preoccupations of qualitative researchers C. Theoretical considerations – Interpretivism
January	Unit II Process of Qualitative Research a. Distinction between qualitative and quantitative research b. Main steps in qualitative research c. Reliability and Validity in Qualitative research
February	Unit III Qualitative approaches to enquiry a. Ethnography b. Case study
March	d.Feminist approach Unit IV Methods and Techniques of data collection a. Interview: Unstructured, Semi structured, In-depth
April	b. Focus Group discussion c. Conversation and Discourse analysis
May	

TEACHING PLAN: 2021 – 2022

Semester –I

Class:FYBCOM

Division:A,B,C,D&E

Subject / Paper:Accountancy & Financial Mgmt - I

Name: Nadeem Parve

Department:Accountancy

Month	Topics to be covered
June	NIL
July	NIL
August	Accounting Standards
September	Final Account of Manufacturing Concern
October	Departmental Account
November	Accounting For Hire Purchase

Semester – II Class: FYBCOM

Division:A,B,C,D&E

Subject / Paper: Accountancy & Financial Mgmt - II

Month	Topics to be covered
December	Branch Account
January	Branch Account
February	Consignment Account
March	Accounting for Incomplete Records
April	Accounting for Incomplete Records
May	Nil

Semester –III

Class:SYBCOM

Division:A,B,C&D

Subject / Paper:Accountancy & Financial Mgmt - III

Name: Nadeem Parve

Department:Accountancy



Month	Topics to be covered
June	NIL
July	Conversion & Sale of Partnership Firms into Limited Co
August	Conversion & Sale of Partnership Firms into Limited Co
September	Amalgamation of Firms
October	Piecemeal Distribution of Cash
November	Partnership Final Account

Semester – IV Class:SYBCOM

Division:A,B,C&D

Subject / Paper: Accountancy & Financial Mgmt-IV

Month	Topics to be covered
December	Profit Prior to Incorporation
January	Profit Prior to Incorporation
February	Redemption of Debentures
March	Redemption of Preference shares
April	Introduction to Company Accounts
May	Nil

Semester –V

Class:TYBCOM

Division:A,B&C

Subject / Paper: Direct Taxation - I

Name: Nadeem Parve

Department:Accountancy

Month	Topics to be covered
June	NIL
July	Income from House Property
August	Income from House Property
September	Income from Capital Gains
October	Income from Business & Profession
November	Income from Business & Profession

Semester – VI Class:TYBCOM

Division:A,B&C

Subject / Paper: Indirect Taxation-II

Month	Topics to be covered
December	Input Tax Credit
January	Input Tax Credit
February	Registration under GST Laws
March	Registration under GST Laws
April	Revision of above topics
May	NIL

Semester –V Class:TYBCOM

Division:A,B&C

Subject / Paper: Cost Accounting

Name: Nadeem Parve

Department:Accountancy

Month	Topics to be covered
June	NIL
July	Introduction of Cost Accounting
August	Reconciliation of Financial account & Cost account
September	Classification of Cost & Cost Sheet
October	Classification of Cost & Cost Sheet
November	Partnership Final Account

Semester – VI Class:TYBCOM

Division:A,B&C

Subject / Paper:Cost Accounting

Month	Topics to be covered
December	Some Emerging Concepts of Cost Account
January	Some Emerging Concepts of Cost Account
February	Cost Control Account
March	Cost Control Account



April	Revision on above topics
May	Nil

2021-2022

Semester: I

Class: FYBBI

Division: A

Subject / Paper: Financial Accounting I

Name: Ms. Najmunnisa Shaikh

Department: BBI

Month	Topics to be covered
June	-----
July	-----
August	Module I: Introduction to Accounting Module II: Classification of Income and Expenses and Accounting Standards
September	Module II: Classification of Income and Expenses and Accounting Standards Module III: Stock Valuation and Hire Purchase
October	Module IV: Final Accounts
November	Revision: Module I, II, III and IV

TEACHING PLAN: 2021-2022

Semester: V

Class: TYBBI

Division: A

Subject / Paper: Research Methodology

Name: Ms. Najmunnisa Shaikh

Department: BBI

Month	Topics to be covered
June	-----
July	Module I: Introduction to Research
August	Module I: Introduction to Research Module II: Data Collection and Processing
September	Module II: Data Collection and Processing Module III: Advanced Statistical Techniques
October	Module IV: Research Report
November	Revision: Module I, II, III, IV

Semester: V

Class: TYBBI

Division: A

Subject / Paper: Financial Service Management

Month	Topics to be covered
July	Module I: Introduction to Financial Services
August	Module I: Introduction to Financial Services Module II: Mutual Funds and Factoring and Forfeiting
September	Module II: Mutual Funds and Factoring and Forfeiting Module III: Securitization of Debts and Derivatives
October	Module III: Securitization of Debts and Derivatives
November	Module IV: Housing Finance and Consumer Finance Module V: Depositories and Pledge
November	Revision: Module I, II, III, IV and V

TEACHING PLAN: 2021-2022

Semester: --III

Class: --SYBBI

Division: -- A

Subject / Paper: -- Information Technology in Banking and Insurance

Name: Ms. Najmunnisa Shaikh

Department: BBI

Month	Topics to be covered
June	-----
July	Module I: Introduction to E-Commerce
August	Module I: Introduction to E-Commerce Module II: E-Banking
September	Module II: E-Banking Module III: Ms Office : Packages for Institutional Automation
October	Module III: Ms Office : Packages for Institutional Automation Module IV: Cyber Law and Cyber Securities
November	Module IV: Cyber Law and Cyber Securities Revision: Module I, II, III and IV



Month	Topics to be covered
July	Module I: Indian Financial System
August	Module I: Indian Financial System Module II: Commodity Markets
September	Module II: Commodity Markets Module III: Derivatives Markets
October	Module III: Derivatives Markets Module IV: Financial Markets in India
November	Module IV: Financial Markets in India
November	Revision: Module I, II, III and IV

TEACHING PLAN

Academic Year : 2020-21

Subject : Discrete Mathematics

Semester - I

Class : **FYBSc IT**Name of Faculty : **DR.Pankaj Shrivastava**

Months	Topics to be covered	Assigned Lecture
JUNE	Introduction : Variables, The Language of Sets, The Language of Relations and Function. Set Theory: Definitions and the Element Method of Proof, Properties of Sets, Disproofs, Algebraic Proofs, Boolean Algebras, Russell's Paradox and the Halting Problem.	15
JULY	The Logic of Compound Statements: Logical Form and Logical Equivalence, Conditional Statements, Valid and Invalid Arguments. Quantified Statements: Predicates and Quantified Statements, Statements with Multiple Quantifiers, Arguments with Quantified Statements. Elementary Number Theory and Methods of Proof: Introduction to Direct Proofs, Rational Numbers, Divisibility, Division into Cases and the Quotient-Remainder Theorem, Floor and Ceiling, Indirect Argument: Contradiction and Contraposition, Two Classical Theorems, Applications in algorithms.	15
AUGUST	Sequences, Mathematical Induction, and Recursion : Sequences, Mathematical Induction, Strong Mathematical Induction and the Well-Ordering Principle for the Integers, Correctness of algorithms, defining sequences recursively, solving recurrence relations by iteration, Second order linear homogenous recurrence relations with constant coefficients, general recursive definitions and structural induction. Functions: Functions Defined on General Sets, One-to-One and Onto, Inverse Functions, Composition of Functions, Cardinality with Applications to Computability.	15
SEPTEMBER	Relations: Relations on Sets, Reflexivity, Symmetry, and Transitivity, Equivalence Relations, Partial Order Relations. Graphs and Trees : Definitions and Basic Properties, Trails, Paths, and Circuits, Matrix Representations of Graphs, Isomorphism's of Graphs, Trees, Rooted Trees, Isomorphism's of Graphs, Spanning trees and shortest paths. Counting and Probability : Introduction, Possibility Trees and the Multiplication Rule, Possibility Trees and the Multiplication Rule, Counting Elements of Disjoint Sets: The Addition Rule, The Pigeonhole Principle, Counting Subsets of a Set: Combinations, r-Combinations with Repetition Allowed, Probability Axioms and Expected Value, Conditional Probability, Bayes' Formula and Independent Events.	15

Teaching Plan Format:

Semester	Months	Topic Covered
III	June	
	July	PHENOLS ,ALCOHOLS
	August	CARBONYL COMPOUNDS
	September	EPOXIDES , ORGANOMETTALICS
	October	ALKYL AND ARYL HALIDES
IV	November	SULPHONIC ACIDS
	December	CARBOXYLIC ACIDS ,
	January	HETEROCYCLIC
	February	DIAZONIUM COMPOUNDS , AMINES
	March	AMINES CONTD.....
V	June	INTRO TO DYES
	July	PHOTOCHEMISTRY ,AGROCHEMICALS ,TYPE OF FIBRES
	August	Stereochemistry , IUPAC , CLASSIFICATION OF DYES
	September	MECHANISM OF ORGANIC REACTIONS, DYE INTERMEDIATES
	October	HETEROCYCLIC, COLOR AND CHEM. CONSTITUTION
VI	November	CATALYSTS AND REAGENTS , DYESTUFF INDUSTRY
	December	POLYMERS , CLASSIFICATION OF DYES
	January	STEREOCHEM , HEALTH HAZARDS OF DYES
	February	REARRANGEMENTS REACTIONS
	March	PIGMENTS , NON TEXTILE USES OF DYES

TEACHING PLAN: 2021 – 2022**Semester – 1 Class: FYBSC Division: all combination with chemistry**

Subject / Paper: Chemistry Paper 2

Name: Damarwala Oan Abbas

Department: Chemistry

Month	Topics to be covered
June	
July	
August	
September	Chemical kinetics, Comparative chemistry of main group(unit 2), Stereochemistry I
October	Liquid state, Comparative chemistry of main group(unit 2), Stereochemistry I
November	Comparative chemistry of main group(unit 2), Stereochemistry I and revision

Semester – 2 Class: FYBSC Division: all combination with chemistry**Subject / Paper: Chemistry Paper 2**

Month	Topics to be covered
December	Stereochemistry II, Ionic equilibria, Chemical bond and reactivity.
January	Aromatic compounds, Oxidation and reduction chemistry, Solid state chemistry, Molecular spectroscopy
February	Stereochemistry II, Ionic equilibria, Chemical bond and reactivity
March	Aromatic compounds, Oxidation and reduction chemistry, Solid state chemistry, Molecular spectroscopy
April	Molecular spectroscopy, Solid state chemistry, Aromatic compounds.
May	Revision and internal test of unit 1, 2 and 3.

TEACHING PLAN: 2021 – 2022**Semester – 3 Class: SYBSC Division: all combination with chemistry**

Subject / Paper: Physical Chemistry Paper 1 & 2

Name: Damarwala Oan Abbas

Department: Chemistry

Month	Topics to be covered
June	
July	Chemical thermodynamics-II



August	Chemical thermodynamics-II & Electrochemistry
September	Electrochemistry & Chemical Kinetics -II
October	Chemical Kinetics-II and Solutions
November	Solutions, revision and test for paper 1 and 2

Semester – 4 Class: SYBSC Division: all combination with chemistry

Subject / Paper: Chemistry Paper 1 & 2

Month	Topics to be covered
December	Electrochemistry-II
January	Electrochemistry-II and Phase Equilibria,
February	Phase equilibria and Solid state
March	Solid state and Catalysis
April	Catalysis and revision and test for paper 1 and 2
May	Contd...revision and test for paper 1 and 2

Semester – 5 Class: TYBSC Division: A

Subject / Paper: Physical Chemistry Paper 1 & 2

Name: Damarwala Oan Abbas

Department: Chemistry

Month	Topics to be covered
June	
July	Molecular spectroscopy
August	Molecular spectroscopy and Chemical Thermodynamics
September	Chemical Thermodynamics, Chemical Kinetics and Nuclear chemistry
October	Nuclear chemistry and Surface chemistry & Colloidal state
November	Surface chemistry & Colloidal state with revision and test for unit 1, 2, 3 and 4

Semester – 6 Class: TYBSC Division:A

Subject / Paper: Chemistry Paper 1 & 2

Month	Topics to be covered
December	Electrochemistry
January	Electrochemistry and Polymers
February	Polymers and Basics of Quantum Chemistry
March	Renewable energy resources and NMR nuclear magnetic resonance spectroscopy
April	NMR nuclear magnetic resonance spectroscopy with revision and test for unit 1, 2, 3 and 4
May	Revision and test for unit 1, 2, 3 and 4

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBA Division:

Subject: Sociology, Paper: Foundations of Sociology

Name: Shaikh Shahida

Department: Sociology

Month	Topics to be covered
September	Unit 2: Social institutions a. Marriage b. Family
October	c. Religion Unit 3: Society and Culture a. Evolution of Society
November	b. Culture c. Cultural diversity
December	Exam

Semester – II Class: FYBA Division:

Subject / Paper: Fundamentals of Sociology

Month	Topics to be covered
January	Unit 3: Social Control and Deviance a. Social control, conformity and deviance: meaning and forms b. Perspectives on crime: Functionalist, symbolic and Marxist perspectives



February	c. Types of crime Unit 4: Collective behaviour a. Forms of collective behaviour
March	b. Theories of collective behaviour c. Social movements
April	Exam

TEACHING PLAN: 2021 – 2022

Semester – I

Class: FYBA

Division:

Subject / Paper: **Foundation Course-I**

Name: Shaikh Shahida

Department: Sociology

Month	Topics to be covered
September	Unit I- An Overview of Indian Society
October	Unit II-Concept of Disparity; due to stratification and inequality Unit III-Concept of Disparity; due to caste system and inter-group conflict
November	Unit IV- Indian Constitution Unit V- Significant aspects of Political Processes
December	Project submission and Exam

Semester – II

Class: FYBA

Division:

Subject / Paper: **Foundation Course-I**

Month	Topics to be covered
January	Unit I- Globalization and Indian Society Unit II- Human Rights
February	Unit III- Ecology Unit IV-Understanding Stress and Conflict
March	Unit V- Managing Stress and Conflict in Contemporary Society
April	Project submission and Exam

TEACHING PLAN: 2021 – 2022

Semester – III

Class: SYBA

Division:

Subject / Paper **302: Emerging issues and concerns in indian contemporary society**

Name: Shaikh Shahida

Department: Sociology

Month	Topics to be covered
July	Unit I: Changing population pattern: Impact and concern a. The Right to the city- Henry Lefebvre b. Pattern of Migration: Case study on Mumbai c. Migrant and labour concerns
August	Unit II: Environment and sustainability a. Carbon footprints and Sustainable development b. Eco- feminism and Feminist Environmentalism c. Digital activism
September	Unit III: Health and Disease a. Right to Public health b. Disability Act 2016 (Differently abled) c. Social epidemiology
October	Unit IV: Crime and Justice a. Rights and duties of the people b. An overview of the criminal Justice system in India: Police, Court and Law c. Need for reforms in the criminal justice system

Semester – IV

Class: SYBA

Division:



Subject / Paper: Sociology of development

Month	Topics to be covered
November	UNIT I Understanding Development a. Meaning of Development and theories of Modernization b. Dependency Theory- (Samir Amin), World System Theory- Wallerstein c. Neo-Liberal approach-David Harvey
December	UNIT II Measuring Development a. Indicators of Development – Human Development Index (HDI) b. Social Inequality and development (caste, class and gender) c. Regional disparity and development
January	UNIT III Globalization and Development a. Globalization and Industry (Delhi Mumbai Industrial Corridor (DMIC)) b. Globalization and Environment (Jaitapur (Nuclear power)) c. Globalization and Agriculture (Farmers Mobilization)
February	UNIT IV Alternative approaches to Development a. Millennium Development Goals and Sustainable Development Goals b. Forest Rights Act (2006) and its impact on the Tribal Community c. People - Centric Development –Menda Lekha (Gadchiroli), Adarsh Gaon (Hiware Bazaar)
March	Exam
April	Exam

TEACHING PLAN: 2021 – 2022

Semester – V

Class: TYBA

Division:

Subject / Paper: 502- Sociology of Work

Name: Shaikh Shahida

Department: Sociology

Month	Topics to be covered
July	Unit I- Basic Concepts a. Work, Work behavior, Work environment, Work ethics and Work culture b. Industry Evolution, characteristics, Impact Pre-conditions and consequences of industrialization
August	Unit II- Changing Division of Labour a. Fordism and post Fordism b. Post Industrialism c. Global division of labour and global inequalities
September	Unit III- Trends in Industry a. Work and automation b. Emergence of Service Industry c. Industrial relations and trade unions
October	Unit IV- Knowledge Industry a. Liberalization, Privatization and Globalization – Meaning, features, impact b. BPO - Meaning, issues c. KPO- meaning and issues Exam

Semester – VI

Class: TYBA

Division:

Subject / Paper: 602- Sociology of Informal Sector



Month	Topics to be covered
November	Unit I- Organization of Work a. Formal and Informal sector: Distinction b. The nature of informal sector: characteristics, problems c. Theoretical Perspectives: Dualist, Structuralism and Legalist
December	Unit II- Informal Labour Market a. Migration as livelihood b. Workers in Informal sector c. Conditions of work and wages
January	Unit III- Safeguard for informal sector workers a. Towards Decent work agenda b. Social security and role of the state c. Organizing the unorganized: self-help groups and microfinance.
February	Unit IV- Globalization and its Implications a. Informalisation of work. b. Downsizing, outsourcing, Network society and role of ICT (Information communication technology) c. Labour Reforms and its impact; Problem of unionization and Labour boards.
March	Exam
April	Exam

TEACHING PLAN: 2021 – 2022

Semester – V

Class: TYBA

Division:

Subject / Paper: **504- Sociology of Human Resource Development**

Name: Shaikh Shahida

Department: Sociology

Month	Topics to be covered
July	Unit I- Overview of HRD a. Nature, Features and goals b. Need, Scope, Functions c. Evolution of HR function and role of HR manager
August	Unit II- Recruitment, Selection and Performance Appraisal a. Recruitment: Relevance, Factors, Process and Programmes b. Selection: Selection Procedure, Barriers to effective selection c. Performance Appraisal: Purpose, Methods (Trait Methods, Forced-choice Methods, Behavioural Methods, Results Methods), Process & Design
September	Unit III- Emerging Issues and Challenges in HRD a. Ergonomics and human factors at work b. Corporate Social Responsibility c. Total Quality Management
October	Unit IV– Management Services and Operations a. Talent Management: Need, Importance and Benefits b. Project Human Resource Management: Overview, Significance, Benefits c. Image Building: Features, Need and Benefits Exam

Semester – VI Class: TYBA

Division:

Subject / Paper: **604- Sociology of Organizations**

Month	Topics to be covered
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November	Unit I- Organizational Structure a. Organization: Characteristics and principles of organization b. Formal organizations: Relevance, types of structures, tall and flat organization and functional organization c. Informal organization: Significance and impact on formal organizations
December	Unit II- Organizational Planning, Training and Development a. Organizational Planning: Importance, Internal & External factors, Downsizing in context to labour market b. Organizational Development: Characteristics, Objectives & Process, Intervention Techniques & Benefits c. Training and Development: Types (Orientation Training, Team Training & Cross Training, Diversity Training) Training methods (Non managerial Employees & Management Development)
January	Unit III- Organizational Culture and Change a. Organizational Culture: Features, Cultural Dimensions, Sustaining the Culture b. Creativity in Organizations: Characteristics, Creativity Inducing factors c. Innovation process and change
February	Unit IV- Organizational Socialization, Leadership and Conflict resolution a. Organizational socialization: Individual and organizational perspectives on socialization; Stages of organizational socialization, Induction/Indoctrination procedure b. Leadership: meaning, effectiveness, qualities, skills and functions c. Conflict resolution: Types of conflict situations; Causes and effects; Its Effective management.
March	Exam
April	Exam

TEACHING PLAN: 2021 – 2022

Semester – V

Class: TYBA

Division:

Subject / Paper: **505-Environment and Society: Theory and Awareness**

Name: Shaikh Shahida

Department: Sociology

Month	Topics to be covered
July	Unit II- Environment and Development a. Ulrich Beck's critique of development A case study of Coco-cola v/s CSE (Sunita Narayan) b. Sustainable development, global warming, Loss of Bio-diversity c. The Stockholm conference and The Earth summit
August	Unit IV- New Paradigms in Environmental Sociology a. The New Climate Change Discourse: A Challenge for Environment Paradigm b. Human Exemptionalism Paradigm (HEP)
September	c. New Ecological Paradigm (NEP)
October	Exam



Month	Topics to be covered
November	Unit II- Environmental Problems: Urban Context a. Waste management; solid waste management, bio-medical waste; industrial waste; nuclear waste and e-waste b. Effects of development activities with reference to loss of mangroves, building of metro, Skywalks etc. c. Depletion of soil, air and water as a resource
December	Unit III- Women, Indigenous Groups and Environment a. Eco-feminism and Feminist environmentalism- Bina Agarwal
January	b. New environmental movements: Save Ganga Movement, Silent Valley Movement, Warli movement
February	c. Niyamgiri and the Forest Rights Act
March	Exam
April	Exam

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBA Division: Arts
Subject / Paper: Moral Philosophy / Paper I
 Name: Shailaja Shetty
 Department: Philosophy

Month	Topics to be covered
June	
July	
August	Unit 1 Chapter 1,2, & 3
September	Unit 2 Chapter 1,2, & 3
October	Unit 3 Chapter 1,2, & 3
November	Unit 4 Chapter 1,2, & 3

Semester – II Class: FY BA Division: Arts
Subject / Paper: Moral Philosophy / Paper I

Month	Topics to be covered
December	Unit 1 Chapter 1,2, & 3
January	Unit 2 Chapter 1,2, & 3
February	Unit 3 Chapter 1,2, & 3
March	Unit 4 Chapter 1,2, & 3
April	Rrevision
May	-----

TEACHING PLAN: 2021 – 2022

Semester – III Class: SYBA Division: Arts
Subject / Paper: Social Philosophy / Paper II
 Name: Shailaja Shetty
 Department: Philosophy

Month	Topics to be covered
June	
July	Unit 1 Chapter 1,2, & 3
August	Unit 2 Chapter 1,2, & 3
September	Unit 3 Chapter 1,2, & 3
October	Unit 4 Chapter 1,2, & 3

Semester – IV Class: SY BA Division: Arts
Subject / Paper: Political Philosophy / Paper II

Month	Topics to be covered
November	Unit 1 Chapter 1,2, & 3



December	Unit 2Chapter 1,2, & 3
January	Unit3 Chapter 1,2, & 3
February	Unit 4Chapter 1,2, & 3
March	Rrevision
April	-----

TEACHING PLAN: 2021 – 2022

Semester – III Class: SYBA Division: Arts

Subject / Paper: Indian Philosophy / Paper III

Name: Shailaja Shetty

Department: Philosophy

Month	Topics to be covered
June	
July	Unit 1Chapter 1,2, & 3
August	Unit 2Chapter 1,2, & 3
September	Unit3 Chapter 1,2, & 3
October	Unit 4Chapter 1,2, & 3

Semester – IV Class: SY BA Division: Arts

Subject / Paper: Western Philosophy / Paper III

Month	Topics to be covered
November	Unit 1Chapter 1,2, & 3
December	Unit 2Chapter 1,2, & 3
January	Unit3 Chapter 1,2, & 3
February	Unit 4Chapter 1,2, & 3
March	Rrevision
April	-----

TEACHING PLAN: 2021 – 2022

Semester – V Class: TYBA Division: Arts

Subject / Paper: Classical indian Philosophy / Paper IV

Name: Shailaja Shetty

Department: Philosophy

Month	Topics to be covered
June	
July	Unit 1Chapter 1,2, & 3
August	Unit 2Chapter 1,2, & 3
September	Unit3 Chapter 1,2, & 3
October	Unit 4Chapter 1,2, & 3

Semester – VI Class: TY BA Division: Arts

Subject / Paper: Western Philosophy Advanced / Paper IV

Month	Topics to be covered
November	Unit 1Chapter 1,2, & 3
December	Unit 2Chapter 1,2, & 3
January	Unit3 Chapter 1,2, & 3
February	Unit 4Chapter 1,2, & 3
March	Rrevision
April	-----

TEACHING PLAN: 2021 – 2022

Semester – V Class: TYBA Division: Arts

Subject / Paper: Philosophy of religion / Paper V

Name: Shailaja Shetty

Department: Philosophy

Month	Topics to be covered
June	
July	Unit 1Chapter 1,2, & 3
August	Unit 2Chapter 1,2, & 3



September	Unit3 Chapter 1,2, & 3
October	Unit 4Chapter 1,2, & 3

Semester – VI Class: TY BA Division: Arts
Subject / Paper: Philosophy of religion / Paper V

Month	Topics to be covered
November	Unit 1Chapter 1,2, & 3
December	Unit 2Chapter 1,2, & 3
January	Unit3 Chapter 1,2, & 3
February	Unit 4Chapter 1,2, & 3
March	Rrevision
April	-----

TEACHING PLAN: 2021 – 2022

Semester – V Class: TYBA Division: Arts
Subject / Paper: Living Ethical Issues / Paper VI

Name: Shailaja Shetty
Department: Philosophy

Month	Topics to be covered
June	
July	Unit 1Chapter 1,2, & 3
August	Unit 2Chapter 1,2, & 3
September	Unit3 Chapter 1,2, & 3
October	Unit 4Chapter 1,2, & 3

Semester – VI Class: TY BA Division: Arts
Subject / Paper: Living Ethical Issues / Paper VI

Month	Topics to be covered
November	Unit 1Chapter 1,2, & 3
December	Unit 2Chapter 1,2, & 3
January	Unit3 Chapter 1,2, & 3
February	Unit 4Chapter 1,2, & 3
March	Rrevision
April	-----

TEACHING PLAN: 2021 – 2022

Semester – V Class: TYBAF Division: A
Subject / Paper: Taxation – IV (Indirect Taxes – II)

Name: Mr. Subhash Gupta
Department: BAF

Month	Topics to be covered
June	-----
July	Module I: Introduction to Indirect Taxation and GST
August	Module II: Levy and Collection of GST, Concept of Supply
September	Module III: Documentation Module IV: Input Tax Credit and Computation of GST
October	Module IV: Input Tax Credit and Computation of GST Module V: Registration
November	Revision: Module I, II, III, IV and V

TEACHING PLAN: 2021 – 2022

Semester – III Class: SYBAF Division: A
Subject / Paper: Cost Accounting (Methods of Costing) – II

Name: Mr. Subhash Gupta
Department: BAF

Month	Topics to be covered
June	-----
July	Module I: Classification of Costs And Cost Sheets
August	Module I: Classification of Costs And Cost Sheets



	Module II: Reconciliation of Cost and Financial Accounts
September	Module III: Contract Costing
October	Module IV: Process Costing
November	Revision: Module I, II, III and IV

TEACHING PLAN: 2021 – 2022

Semester – III Class: SYBAF Division: A

Subject / Paper: Taxation - II (Direct Taxes Paper- I)

Name: Mr. Subhash Gupta

Department: BAF

Month	Topics to be covered
June	-----
July	Module I: Definitions u/s – 2 , Basis of Charge and Exclusions from Total Income
August	Module I: Definitions u/s – 2 , Basis of Charge and Exclusions from Total Income Module II: Heads of Income
September	Module II: Heads of Income Module III: Deductions under Chapter VI – A
October	Module IV: Computation of Total Income
November	Revision: Module I, II, III and IV

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBAF Division: A

Subject / Paper: Financial Accounting - Elements of Financial Accounting-I

Name: Mr. Subhash Gupta

Department: BAF

Month	Topics to be covered
June	-----
July	-----
August	-----
September	Module I: Accounting Standards Issued by ICAI and Inventory Valuation Module II: Final Accounts
October	Module II: Final Accounts Module III: Departmental Accounts
November	Module IV: Accounting for Hire Purchase Revision: Module I, II, III and IV

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBAF Division: A

Subject / Paper: Financial Management - Introduction to Financial Management - I

Name: Mr. Subhash Gupta

Department: BAF

Month	Topics to be covered
June	-----
July	
August	Module I: Introduction to Financial Management Module II: Concepts in Valuation
September	Module II: Concepts in Valuation Module III: Leverage Module IV: Types of Financing
October	Module IV: Types of Financing Module V: Cost of Capital
November	Revision: Module I, II, III, IV and V

TEACHING PLAN: 2021-2022

Semester: III Class: SYBMS-HR

Division: C

Subject / Paper: Recruitment and Selection

Name: Dr. Khan Suhana Begum



Department: BMS

Month	Topics to be covered
June	-----
July	Module I: Recruitment
August	Module I: Recruitment Module II: Selection
September	Module II: Selection Module III: Induction
October	Module IV: Soft Skills
November	Revision: Module I, II, III and IV

Semester: IV

Class: SYBMS

Division: A, B and C

Subject / Paper: Business Research Methods

Month	Topics to be covered
December	Module I: Introduction to Business Research Methods
January	Module I: Introduction to Business Research Methods Module II: Data Collecting and Processing
February	Module II: Data Collecting and Processing Module III: Data Analysis and Interpretation
March	Module III: Data Analysis and Interpretation Module IV: Advanced Techniques in Report Writing
April	Module IV: Advanced Techniques in Report Writing Revision: Module I, II, III and IV
May	Revision: Module I, II, III and IV

TEACHING PLAN: 2021-2022

Semester: V

Class: TYBMS

Division: B

Subject / Paper: E-Commerce and Digital Marketing

Name: Dr. Khan Suhana Begum

Department: BMS

Month	Topics to be covered
June	-----
July	Module I: Introduction to E-Commerce
August	Module I: Introduction to E-Commerce Module II: E-Business and Application
September	Module II: E-Business and Application Module III: Payment, Security, Privacy and Legal Issues in E-Commerce
October	Module III: Payment, Security, Privacy and Legal Issues in E-Commerce Module IV: Digital Marketing

March	-----
April	-----
May	-----

TEACHING PLAN: 2021-22

Semester: I

Class: FYBBI

Division: A

Subject / Paper: Business Communication I

Name: Dr. Khan Suhana Begum

Department: BBI

Month	Topics to be covered
June	-----
July	-----
August	Module I: Theory of Communication Module II: Obstacles to Communication in Business World
September	Module II: Obstacles to Communication in Business World Module III: Business Correspondence
October	Module IV: Language and Writing Skills
November	Revision: Module I, II, III and IV

Semester: II

Class: FYBBI

Division: A

Subject / Paper: Business Communication II



Month	Topics to be covered
December	Module I: Presentation Skills
January	Module II: Group Communication
February	Module III: Business Correspondence
March	Module III: Business Correspondence Module IV: Language and Writing Skills
April	Module IV: Language and Writing Skills Revision: Module I, II, III and IV
May	Revision: Module I, II, III and IV

TEACHING PLAN: 2021-22

Semester: V

Class: TYBBI

Division: A

Subject / Paper: Strategic Management

Name: Dr. Khan Suhana Begum

Department: BBI

Month	Topics to be covered
June	-----
July	Module I: Strategic Management: An Overview
August	Module I: Strategic Management: An Overview Module II: Environment of Strategic Management
September	Module II: Environment of Strategic Management Module III: Levels of Strategic Management
October	Module IV: Activating Strategy and Implementation Module V: Strategic Evaluation and Control
November	Revision: Module I, II, III, IV and V

Semester: VI

Class: TYBBI

Division: A

Subject / Paper: Marketing in Banking and Insurance

Month	Topics to be covered
December	Module I: Introduction to Marketing
January	Module I: Introduction to Marketing Module II: Introduction to Service Marketing
February	Module II: Introduction to Service Marketing Module III: Consumer Behaviour
March	Module III: Consumer Behaviour
April	Module IV: Rural Marketing Module V: E-Marketing
May	Revision: Module I, II, III, IV and V

TEACHING PLAN: 2021-22

Semester: --

Class: --

Division: --

Subject / Paper:--

Name: Dr. Khan Suhana Begum

Department: BBI

Month	Topics to be covered
June	-----
July	-----
August	-----
September	-----
October	-----
November	-----

Semester: IV

Class: SYBBI

Division: A

Subject / Paper: Customer Relationship Management

Month	Topics to be covered
December	Module I: Introduction to Customer Relationship Management
January	Module I: Introduction to Customer Relationship Management Module II: Technological Support in Customer Relationship Management
February	Module II: Technological Support in Customer Relationship Management Module III: Implementing Customer Relationship Management
March	Module III: Implementing Customer Relationship Management Module IV: Customer Relationship Management in Banking and Insurance



April	Module IV: Customer Relationship Management in Banking and Insurance Revision: Module I, II, III and IV
May	Revision: Module I, II, III and IV

TEACHING PLAN: 2021-22

Semester: --

Class: --

Division: --

Subject / Paper: --

Name: Dr. Khan Suhana Begum

Department: BBI

Month	Topics to be covered
June	-----
July	-----
August	-----
September	-----
October	-----
November	-----

Semester: VI

Class: TYBBI

Division: A

Subject / Paper: Human Resource Management

Month	Topics to be covered
December	Module I: Framework of Human Resource Management
January	Module I: Framework of Human Resource Management Module II: HR Procurement
February	Module II: HR Procurement Module III: HR Planning and Recruitment
March	Module III: HR Planning and Recruitment Module IV: Training and Development
April	Module IV: Training and Development Module V: Compensation
May	Revision: Module I, II, III, IV and V

TEACHING PLAN: 2021 – 2022

Semester – I

Class:

FYBCOM

Division: B

Subject / Paper: MATHEMATICAL AND STATISTICAL TECHNIQUES-I

Name: DR. DATTATRAYA PARHAD

Department: MATHEMATICS AND STATISTICS

Month	Topics to be covered
June	---
July	---
August	Measures of Central Tendency
September	Measures of dispersion, Elementary Probability
October	Elementary Probability, Decision Theory
November	Decision Theory

Semester – II

Class: FYBCOM

Division: B

Subject / Paper: MATHEMATICAL AND STATISTICAL TECHNIQUES - II

Month	Topics to be covered
December	Correlation
January	Regression, Time Series
February	Index Numbers
March	Probability Distribution, Binomial distribution
April	Poisson Distribution, Normal Distribution
May	Revision and Examinations



TEACHING PLAN: 2021 – 2022**Semester – I Class: FYBSC Division: A**Subject / Paper: ALGEBRA-I
Name: DR. DATTATRAYA PARHAD
Department: MATHEMATICS AND STATISTICS

Month	Topics to be covered
June	---
July	---
August	Integers and Divisibility
September	GCD and Euclidean Algorithm, Congruence Relation
October	Functions, Relations, Binary Operations
November	Polynomials

Semester – II Class: FYBSC Division: A

Subject / Paper: DISCRETE MATHEMATICS

Month	Topics to be covered
December	Preliminary Counting
January	Stirling's number of Second Kind, Multi-sets
February	Binomial and Multinomial Theorem, Pigeonhole Principle
March	Principle of inclusion-Exclusion,
April	Permutations as Structure
May	Recurrence Relations

TEACHING PLAN: 2021 – 2022**Semester – III Class: SYBSC Division: A**Subject / Paper: LINEAR ALGEBRA-I
Name: DR. DATTATRAYA PARHAD
Department: MATHEMATICS AND STATISTICS

Month	Topics to be covered
June	----
July	Systems Of Linear Equations
August	Gaussian elimination, Elementary matrices
September	Vector Spaces and Properties
October	Basis and Dimension, Determinants
November	Cramer's Rule, LU Decomposition

Semester – IV Class: SYBSC Division: A

Subject / Paper: LINEAR ALGEBRA-II

Month	Topics to be covered
December	Linear Transformations,
January	Matrix Associated with L.T, Equivalence of rank of a Matrix, Inner Product Spaces
February	Orthogonal Complement, Orthogonal Projection,
March	Eigen Values, Eigen Vectors
April	Diagonalisation of Matrix
May	Spectrum Theorem



TEACHING PLAN: 2021 – 2022**Semester – I Class: FYBCOM Division: A, C AND D****Subject / Paper: MATHEMATICAL AND STATISTICAL TECHNIQUES-I****Name: DR. DATTATRAYA PARHAD****Department: MATHEMATICS AND STATISTICS**

Month	Topics to be covered
June	---
July	---
August	Shares and Mutual Funds
September	Mutual Funds, LPP
October	LPP, Permutations
November	Combinations

Semester – II Class: FYBCOM Division: A, C AND D**Subject / Paper: MATHEMATICAL AND STATISTICAL TECHNIQUES - II**

Month	Topics to be covered
December	Derivatives
January	Applications of Derivatives
February	Simple Interest
March	Compound Interest
April	Annuity, EMI
May	Revision and Examinations

TEACHING PLAN: 2021-2022**Semester: I Class: FYBAF Division: A****Subject / Paper: Business Communication I****Name: Dr. Khan Suhana Begum****Department: BAF**

Month	Topics to be covered
June	-----
July	-----
August	Module I: Theory of Communication Module II: Obstacles to Communication in Business World
September	Module II: Obstacles to Communication in Business World Module III: Business Correspondence
October	Module IV: Language and Writing Skills
November	Revision: Module I, II, III and IV

Semester: II Class: FYBAF Division: A**Subject / Paper: Business Communication II**

Month	Topics to be covered
December	Module I: Presentation Skills
January	Module II: Group Communication
February	Module III: Business Correspondence
March	Module III: Business Correspondence Module IV: Language and Writing Skills
April	Module IV: Language and Writing Skills Revision: Module I, II, III and IV
May	Revision: Module I, II, III and IV



TEACHING PLAN: 2021-2022

Semester: V

Class: TYBAF

Division: A

Subject / Paper: Management Application

Name: Dr. Khan Suhana Begum

Department: BAF

Month	Topics to be covered
June	-----
July	Module I: Marketing Management
August	Module I: Marketing Management Module II: Production Management
September	Module II: Production Management Module III: Human Resource Management
October	Module III: Human Resource Management Module IV: Finance Management
November	Revision: Module I, II, III and IV

Semester: --

Class: --

Division: --

Subject / Paper: --

Month	Topics to be covered
December	-----
January	-----
February	-----
March	-----
April	-----
May	-----

TEACHING PLAN: 2021 – 2022**Semester – I Class: FYBCOM Division: A**

Subject / Paper: Environmental studies

Name: Sujata Kharat

Department: Environmental studies

Month	Topics to be covered
June	
July	
August	Environment and Ecosystem
September	Natural Resources and Sustainable Development
October	Population and emerging Issues of Development
November	Urbanisation and Environment, Reading of thematic Map and Map filling

Semester – II Class: FYBCOM Division: A**Subject / Paper: Environmental Studies**

Month	Topics to be covered
December	Solid Waste Management for Sustainable society
January	Agriculture and Industrial Development
February	Tourism and Environment
March	Environmental Movements and Management
April	Map Filling
May	REVISION

TEACHING PLAN: 2021 – 2022**Semester – I Class: FYBCOM Division: A**

Subject / Paper: Environmental studies

Name: Sujata Kharat

Department: Environmental studies

Month	Topics to be covered
June	
July	
August	Environment and Ecosystem



September	Natural Resources and Sustainable Development
October	Population and emerging Issues of Development
November	Urbanisation and Environment, Reading of thematic Map and Map filling

Semester – II Class: FYBCOM

Division: A

Subject / Paper: Environmental Studies

Month	Topics to be covered
December	Solid Waste Management for Sustainable society
January	Agriculture and Industrial Development
February	Tourism and Environment
March	Environmental Movements and Management
April	Map Filling
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBCOM

Division: A

Subject / Paper: Environmental studies

Name: Sujata Kharat

Department: Environmental studies

Month	Topics to be covered
June	
July	
August	Environment and Ecosystem
September	Natural Resources and Sustainable Development
October	Population and emerging Issues of Development
November	Urbanisation and Environment, Reading of thematic Map and Map filling

Semester – II Class: FYBCOM

Division: A

Subject / Paper: Environmental Studies

Month	Topics to be covered
December	Solid Waste Management for Sustainable society
January	Agriculture and Industrial Development
February	Tourism and Environment
March	Environmental Movements and Management
April	Map Filling
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBCOM

Division: A

Subject / Paper: Environmental studies

Name: Sujata Kharat

Department: Environmental studies

Month	Topics to be covered
June	
July	
August	Environment and Ecosystem
September	Natural Resources and Sustainable Development
October	Population and emerging Issues of Development
November	Urbanisation and Environment, Reading of thematic Map and Map filling

Semester – II Class: FYBCOM

Division: A

Subject / Paper: Environmental Studies

Month	Topics to be covered
December	Solid Waste Management for Sustainable society
January	Agriculture and Industrial Development
February	Tourism and Environment
March	Environmental Movements and Management
April	Map Filling
May	REVISION



TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBCOM Division: B

Subject / Paper: Environmental studies

Name: Sujata Kharat

Department: Environmental studies

Month	Topics to be covered
June	
July	
August	Environment and Ecosystem
September	Natural Resources and Sustainable Development
October	Population and emerging Issues of Development
November	Urbanisation and Environment, Reading of thematic Map and Map filling

Semester – II Class: FYBCOM Division: B

Subject / Paper: Environmental Studies

Month	Topics to be covered
December	Solid Waste Management for Sustainable society
January	Agriculture and Industrial Development
February	Tourism and Environment
March	Environmental Movements and Management
April	Map Filling
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBCOM Division: c

Subject / Paper: Environmental studies

Name: Sujata Kharat

Department: Environmental studies

Month	Topics to be covered
June	
July	
August	Environment and Ecosystem
September	Natural Resources and Sustainable Development
October	Population and emerging Issues of Development
November	Urbanisation and Environment, Reading of thematic Map and Map filling

Semester – II Class: FYBCOM Division: C

Subject / Paper: Environmental Studies

Month	Topics to be covered
December	Solid Waste Management for Sustainable society
January	Agriculture and Industrial Development
February	Tourism and Environment
March	Environmental Movements and Management
April	Map Filling
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBCOM Division: D

Subject / Paper: Environmental studies

Name: Sujata Kharat

Department: Environmental studies

Month	Topics to be covered
June	
July	
August	Environment and Ecosystem
September	Natural Resources and Sustainable Development
October	Population and emerging Issues of Development
November	Urbanisation and Environment, Reading of thematic Map and



	Map filling
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Semester – II Class: FYBCOM

Division: D

Subject / Paper: Environmental Studies

Month	Topics to be covered
December	Solid Waste Management for Sustainable society
January	Agriculture and Industrial Development
February	Tourism and Environment
March	Environmental Movements and Management
April	Map Filling
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – I Class: FYBCOM

Division: E

Subject / Paper: Environmental studies

Name: Sujata Kharat

Department: Environmental studies

Month	Topics to be covered
June	
July	
August	Environment and Ecosystem
September	Natural Resources and Sustainable Development
October	Population and emerging Issues of Development
November	Urbanisation and Environment, Reading of thematic Map and Map filling

Semester – II Class: FYBCOM

Division: E

Subject / Paper: Environmental Studies

Month	Topics to be covered
December	Solid Waste Management for Sustainable society
January	Agriculture and Industrial Development
February	Tourism and Environment
March	Environmental Movements and Management
April	Map Filling
May	REVISION

TEACHING PLAN: 2021 – 2022

Semester – III & V Class: S.Y. & T.Y. BSc. Phy Division: A

Subject / Paper: Sem III – Paper II Unit II and Paper III Unit III

Sem V -- Paper IV entire and P II Unit I

Name: mr. Vishwas V. Deshmukh

Department: PHYSICS

Month	Topics to be covered
June	Admission in progress
July	SEM III -- P II U II – General amplifier characteristics SEM V – P IV – Introduction to electrodynamics , laplace's and Poisson's Equations, Method of Images, Electrostatics of dielectric media,
August	SEM III – PIII Unit III Introduction to material science SEM V – P- IV Magnetostatics , Magnetostatics of material media, Maxwell's equations in vacuum and material media.
September	SEM III PII Unit II : Transistor Biasing P III Unit III : Applications of materials SEM V—Poynting vector and EMT theory. PII Unit I Atomic physics
October	Exam period.
November	-----



Semester – IV & VI Class: S. Y. / T. Y. BSC Division: A
 Subject / Paper: PHYSICS :

SEM IV : Digital electronics P I UNIT II

Electronic Communication techniques P III Unit III

SEM VI -- P II – ELECTRONICS

Vishwas Deshmukh :

P III Unit II Nuclear Physics

Month	Topics to be covered
November	SEM III – Introduction to digital electronics .. SEM VI - Diff. amp circuits
December	SEM III – Number systems and Boolean algebra SEM VI – Op amp applications, Transistor Multivibrators
January	SEM III – Digital electronics FFs and shift registers. Counter circuits SEM VI – Timer circuits, Power supply circuits, communication techniques
February	SEM III – AM & FM signals SEM VI – JFET and UJT circuits, Thyristors, SCRs and applications
March	SEM III- Modulation techniques in communication SEM VI- Digital electronics & PII Unit II Nuclear physics
April	Exam period
May	

**Teaching Plan Format:
Pradnyesh Waghmare**

Semester	Months	Topic Covered
Ist / IIIrd / Vth ODD SEM.	July	SY - PAPER III : THERMODYNAMICS : 1) HEAT ENGINES TY – Paper V - 1) TRANSDUCER 2) ELECTRICAL TRANSDUCER
	August	SY. - 2) 2 ND LAW OF THERMODYNAMICS 3) HEAT CYCLE 4) ENTROPY THERMODYNAMICS TY -- 3) ELECTRONIC WEIGHING SYSTEM 4) OPTOELECTRONIC DEVICES
	September	FY – PAPER I -- 1) 1 ST LAW OF THERMODYNAMICS SY - 5) 3 RD LAW OF THERMODYNAMICS 6) LOW TEMPT. PHYSICS TY - 5) CATHODE RAY OSCILLOSCOPE 6) PRECISION RECTIFIER 7) MICROPHONES & LOUDSPEAKERS. 8) SWITCHING REGULATOR
	October	FY -- 1) BEHAVIOR OF REAL GASES 1) NUCLEAR DETECTOR SY 7) BIOPHYSICS TY – 9) DATA ACQUISITION & CONVERSION 10) A/D & D/A CONVERTES
	November	FY -- 2) NUCLEAR REACTION TY -- 11) PCB & MICROWAVE OVEN 12) MEDICAL INSTRUMENTS TY – PAPER III – 1) ATOMIC PHYSICS – UNIT - II
IIInd / IVth / VIth	November	FY – PAPER II - 1) ALTERNATING CURRENT THEORY SY – PAPER III – 1) INTRODUCTION TO MICROPROCESSOR 8085



EVEN SEM.		TY - PAPER V -- 1)TRISTATE DEVICES 2) MULTIPLEXERS / DEMULTIPLEXERS
	December	FY – PAPER II – 2) A.C.BRIDGES 3) ELECTRONICS CIRCUIT THEOREM SY – PAPER III -2) MICROPROCESSOR 8085 PROGRAMMING TY – PAPER V – 3) ENCODERS & DECODERS 4) 8085 MICROPROCESSORADVANCE ASSEBLY LANGUAGE PROGRAMMING 5) 8285 PPI
	January	FY – PAPER II – 4) DC POWER SUPPLY SY – PAPER II - 1) POLARISATION - I TY – PAPER V – 6) 8051 MICROCONTROLLER 7) MICROCONTROLLER PROGRAMMING
	February- March	FY – PAPER II – 4) DIGITAL ELECTRONICS SY – PAPER II - 2) POLARISATION - II TY – PAPER V – 8) BASICS CONCEPTS OF OBJECT ORIENTED PROGRAMMING & C++ - I 9) C++ LOOPING PROGRAMMING – II TY – PAPER III – 1) NUCLEAR PHYSICS – UNIT - IV

**Teaching Plan
(Academic Year 2020-2021)**

Name of the Faculty: Prof. Salim A Kantawala
Designation: Assistant Professor (HOD -Accountancy Department)

Class : S.Y. B.Com

Division : A, B, C and D

Semester	Months	Topic Covered
III	2020-21	<u>Management Accountancy</u>
	July	1) Introduction to Management Accountancy
	July	2) Analysis and Interpretation of Financial Statements
	Aug	3) Ratio Analysis and Interpretation
	Sep	4) Working Capital Management
	Oct	5) Capital Budgeting
SY B.Com Div A	2020-21	<u>Accounting & Financial Management</u>
	Jul-Oct	1) Piecemeal Distribution
IV	2020-21	<u>Auditing</u>
	Dec	1) Auditing Concepts
	Dec	2) Auditing Planning Procedure & Documentation
	Jan	3) Auditing Techniques
	Feb	4) Vouching
	Mar	5) Verification
SY B.Com Div A	2020-21	<u>Accounting & Financial Management</u>
	Oct-Mar	1) Profit Prior to Incorporation

**Teaching Plan
(Academic Year 2020-2021)**

Name of the Faculty: Prof. Salim A Kantawala
Designation: Assistant Professor (HOD -Accountancy Department)

Class : T.Y. B.Com

Division : A, B, and C

Semester	Months	Topic Covered
V	2020-21	<u>Financial Accounting</u>
	Jul/ Aug	1) Buy Back of Shares
	Sep/ Oct	2) Preparation of Financial Accounts of Limited Company
VI	2020-21	<u>Financial Accounting</u>
	Dec	1) Accounting of Foreign Currency Transactions
	Jan/Feb	2) Liquidation of Companies
	Feb/ Mar	3) Underwriting of Share & Debentures



TEACHING PLAN 2021-22						
Semester		Class		Division		
I		FYBA		A		
Subject/ Paper Name URDU COMPULSORY						
Month	Topics to be Covered					
	Prose		Poetry	Ghazal	Rubaiyat	
September	Introduction		Biography of poets	Sawda & Mir	Introduction	
October	2 lesson		2Poem	Dard & Ghalib	Amjad& Essay	
November	2 Lesson		2,Poems	Daagh &Shaad	Yaas &Essay	
December	2 Lesson		2,poems			
January	Exam					
Semester		Class		Division		
II		FYBA		A		
Subject/ Paper Name						
Month	Topics to be Covered					
February	Prose		Poetry	Ghazal		
	1 Lesson		1 Poem	2 Ghazal	Roodad Navisi	
March						
	2 Lesson		1 Poem	2 Ghazal	2 Rubaiyat	
April						
	2 Lesson		2 Poem	2 Ghazal	Roodad Navisi	
May						
	1 Lesson		2 Poem	2 Gazal	2 Rubaiyat	
June	Exam					



Semester	Class					
I	FYBA		A			
Subject/ Paper Name URDU ANCILLARY						
Month	Topics to be Covered					
September						
Unit 1	Definition and art of urdu Nazm & 4 Nazm of Iqbal					
October						
	History of gradual development of Urdu Nazm and life of Allama Iqbal and 6 Nazm of Iqbal					
November						
Unit 2 and 3	Personality and Art of Iqbal and Akhtar Sheerani . 4 Nazm of Akhtar Sheerani					
December						
Unit 3 and 4	6 nazm of Akhtar Sheerani & Revision					
January	Exam					
Semester	Class			Division		
II	FYBA		A			
Subject/ Paper Name						
Month	Topics to be Covered					
February						
Unit 1 & 2	Definition of Art of urdu Afsana and History and gradual development Personality and Art of Munshi Prem Chand .					
March						
	Eight Afsana of Munshi Prem Chand					
April						
Unit 3	Personality and Art of Rajender Singh Bedi & 4 Afsana of Bedi					
May						
UNIT 4	4 Afsana of Rajendra Singh Bedi & Revision					
JUNE	Exam					



TEACHING PLAN 2021-22						
Semester	Class		Division			
III	SYBA		A			
Subject/ Paper Name URDU :301 Muntakhab Ghazal						
Month	Topics to be Covered					
July	Introduction of Urdu Ghazal					
August	History of Urdu Ghazal & Life and Art of Fani Badayuni					
September	Eight Ghazal of Fani Badayuni					
October	Life and Art of Asghar Gondavi & 2 Ghazal of Fani Badayuni					
November	Eight Ghazal of Asghar Gondavi					
December	2Ghazal of Asghar Gondvi & Revision					
January	Exam					
Semester	Class		Division			
IV	SYBA		A			
Subject/ Paper Name URDU:401 Muntakhab Nazm						
Month	Topics to be Covered					
February	History and gradual development of Urdu Nazm & Life and Art Khaleelur Rehman Azmi.					
March	Ten Poem's of Khaleelur Rehman					
April	Life and art of Akhtarul Iman & 4 Poems					
May	06 Poem of Akhtarul Rehman & Revision					
June	Exam					



TEACHING PLAN 2021-22						
Semester		Class		Division		
III		SYBA		A		
Subject/ Paper Name URDU :302 Muntakhab khutoot						
Month	Topics to be Covered					
July	Introduction of Urdu Khutoot					
August	Definition and art of Urdu Khutoot and Life and Art of Mirza Ghalib					
September	History and types of Urdu khutoot. 03 khutoot of Mirza Ghalib					
October						

	Life and art of Sir Syed Ahmed & 04 Khutoot of Mirza Ghalib					
November	04 khutoot of Sir Syed & Revision					
December	03 Khutoot of Sir Syed Ahmed					
January	Exam					
Semester		Class		Division		
IV		SYBA		A		
Subject/ Paper Name Urdu Muntakhab Safar nama						
Month	Topics to be Covered					
February	Definition and art of Urdu Safarnama. One safarnama of Mujtaba Husain					
	History and types of urdu safarnama . 03 safarnama					
March	Life and Art of Mujtaba Husain					
April	Life and art of Sughra Mahdi and 01 Safarnama					
	01 safarnama of Sughra Mahdi Revision					
May						
June	Exam					



TEACHING PLAN 2021-22						
Semester	Class		Division			
V	TYBA		A			
Subject/ Paper Name URDU:501 Grammar and essay						
Month	Topics to be Covered					
July						
Unit I	Essay writing					
August						

Detailed Study of Ism						
September						
	Zameer . Fael, murakkab					
October						
Unit 3 and 4	mushtaq alfaz and Aerabs					
November						
Unit 4 and 5	Tajanees					
December	Exam					
Semester						
VI		TYBA		A		
Subject/ Paper Name URDU:601						
Month	Topics to be Covered					
January						
Unit 1	Mabadeyate Arooz and usoole Taqti					
February						
Unit 2	Fane Tarjuma Nigari and Tarjume ka Irteqa and Zaroorat					
March						
Unit 3 and 4	Taqtee 6 meters and translation from English to Urdu					
April						
Unit 4 and 5	Translation from Urdu to English and Sanaye Badaye					
May	Exam					



TEACHING PLAN 2021-22						
Semester	Class		Division			
V	TYBA		A			
Subject/ Paper Name Modern Urdu Poetry 502						
Month	Topics to be Covered					
July						
Unit 1	Meaning , definition art kind technique historical and gradual development of urdu nazm and 3 poems					
August						
Unit 2	Taraqi pasand Tehreek (only Urdu poetry) and 3 poems					
September						
Unit 3	Faiz Ahmed Faiz – life, art and 4 poems					
October						
Unit 4	His style of poetry writing and 4 poems					
November	Critical appreciation of poems and his 2 poems					
December	Exam					
Semester	Class		Division			
VI	TYBA		A			
Subject/ Paper Name Modern Urdu Prose 602						
Month	Topics to be Covered					
January						
Unit 1	Meaning definition art and kind technique historical ad gradual development of Urdu novel					
February						
Unit 2	Ismat chughtai- Life art and style of novel writing					
March						
Unit 3	Critical appreciation and other aspects and other aspects of novel					
April						
Unit 4	Introduction and analysis of different characters and events of the novel ziddi					
May	Exam					



TEACHING PLAN 2021-22

Semester	Class	Division
V	TYBA	A
Subject/ Paper Name Urdu Journalism 503		
Month	Topics to be Covered	
July		
Unit 1	Fanne sahafat meaning definition and art.	
August		
Unit 1 & 2	Kind techniques and types; Khabar navisi, meaning and definition	
September		
Unit 2&3	important features types Art of writing news sources of local news	
October		
Unit 3	Editorial ,interview, coloumn writing, book review	
November		
Unit 4	Principles of journalism ,layout . pagemaking, chief editorial and his team	
December	Exam	
Semester	Class	Division
VI	TYBA	A
Subject/ Paper Name Urdu journalism 603		
Month	Topics to be Covered	
January		
Unit 1	History of journalism	
February		
Unit 2	Detailed study of urdu magazine- Tahzibul Akhlaque	
March		
Unit 3	Detailed study of urdu magazine- Shagoofa Hyderabad	
April		
Unit 4	Special study of journalist Maulana abul kalam azaad and Hasrat mohani	
May	Exam	

