Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Sakshi Aneja Subject- Computer Science BCA-352 (Operating System-I) Class- BCA 5th Sem

September, 2022 1 st Week 1 Sept-3 Sept	Operating System: Definition, Characteristics, Components, Functions. Examples; Types of Operating System: Single User, Multi User
4 Sept, 2022	Sunday
2 nd Week 5 Sept- 10 Sept	Classification of Operating System: Batch, Multiprogrammed, Timesharing, Multiprocessing, Parallel, Distributed, Real Time; System Calls and System Programs Process Control,
11 Sept, 2022 3 rd Week	Sunday Revision and Tests of Unit I
12 Sept-17 Sept 18 Sept, 2022	Sunday
4 th Week 19 Sept-24 Sept	Process Management: Process concept, Process states and Process Control Block; Process Scheduling
23 Sept,2022 25 Sept, 2022 26 Sept, 2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day Sunday Maharana Agrasen Jayanti
5 th Week 27 Sept - 29 Sept	Scheduling Queues, Schedulers, Context Switch; Operation on Processes: Process Creation, Process Termination; Cooperating Processes, Introduction to Threads, Inter-process Communication
30 Sept, 2022	Talent show
October, 2022 1 st Week 1 Oct,2022	Talent Show Holiday
2 Oct, 2022	Sunday
1 st Week 3 Oct - 8 Oct	CPU Scheduling: Basic Concepts, Scheduling Criteria, Scheduling Algorithms: FCFS, SJF, Priority, Round-Robin, Multilevel Queue, Multilevel Feedback Queue Scheduling
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 10 Oct - 15 Oct	Deadlocks: System Model, Deadlock Characterization, Methods of Handling Deadlocks, Deadlock Prevention, Deadlock Avoidance, Deadlock Detection and Recovery

Name of the Teacher – Ms. Sakshi Aneja Subject- Computer Science BCA-352 (Operating System-I)

Class- BCA 5th Sem

13 Oct, 2022	Karwa Chauth
16 Oct,2022	Sunday
ord xx71-	Manage Management Introduction Committee Continue Allegation Continue
3 rd Week 17 Oct - 21 Oct	Memory Management: Introduction, Swapping, Contiguous Allocation: Single-
17 Oct - 21 Oct	Partition/Multiple Partition Allocation, External/Internal Fragmentation
22 Oct - 26 Oct	Diwali Break
4 th Week	Segmentation: Basic Method, Hardware, Implementation of Segment Table,
27 Oct - 31 Oct	Advantages/Disadvantages of Paging/Segmentation
30 Oct, 2022	Sunday
,	
November, 2022	
1 st Week	Натима Рам
1 Nov, 2022	Haryana Day
1st Week	Virtual Memory: Introduction, Demand Paging
2 Nov - 5 Nov	
6 Nov, 2022	Sunday
2 nd Week	Page Replacement, Page Replacement Algorithms: FIFO, Optimal
7 Nov – 12 Nov	
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week	LRU, Counting; Thrashing and its cause; File Types, File Access/Allocation
14 Nov - 19 Nov	Methods, File Protection, File Recovery
20 Nov, 2022	Sunday
4th xxz x	
4 th Week 21 Nov - 26 Nov	File Management: File Concepts, File Attributes, File Operations,
21 1107 - 20 1107	Revision of Previous Syllabus
27 Nov. 2022	Cundor
27 Nov, 2022	Sunday
5 th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
7 1000, 2022	Sunday
2 nd Week	
5 Dec - 10 Dec	Discussion of Previous Year Question Papers
3 rd Week	University Examination
15 Dec,2022	
Onwards	

Lesson Plan for the Odd Semester (November 2022- January 2023)

Name of the Teacher – SAKSHI ANEJA

Class- M.Sc. First year

Subject- SOFTWARE ENGINEERING

Paper- MS-15-13

Paper- MS-15-13	
November, 2022	Sunday
6 Nov, 2022	
2 nd Week	Introduction: Software Crisis-problem and causes, Software Processes, Software life cycle
7 Nov – 12 Nov	models: Waterfall, Prototype, Evolutionary and Spiral models, Quality Standards like ISO
	9001
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week	SEI-CMM, CMMI, PCMM, Six Sigma. Software Metrics: Size Metrics like LOC, Token
14 Nov - 19 Nov	Count, Function Count, Design Metrics, Data Structure Metrics, Information Flow Metrics,
20.37	cyclomatic complexity, Halstead Complexity measures,
20 Nov, 2022	Sunday
4 th Week	Software Project Planning: Cost estimation, static, Single and multivariate models, COCOMO
21 Nov - 26 Nov	model, Putnam Resource Allocation Model, Risk management, project scheduling, personnel
A	planning,
27 Nov, 2022	Sunday
5 th Week	Team structure, Software configuration management, quality assurance, project monitoring.
28 Nov – 3 Dec	Software Requirement Analysis and Specifications: Structured Analysis, Data Flow
4.5	Diagrams, Data Dictionaries, Entity-Relationship diagrams,
4 Dec, 2022	Sunday
2 nd Week	Software Requirement and Specifications, Behavioral and non-behavioral requirements.
5 Dec - 10 Dec	Software Design: Design fundamentals, problem partitioning and abstraction, design
44.75	methodology, Cohesion & Coupling, Function Oriented Design and User Interface Design.
11 Dec, 2022	Sunday
3 rd Week	Coding: Programming style, structured programming. Software reliability: Metric and
12-17 Dec,2022	specification, Musa and JM reliability model, fault avoidance and tolerance,
18 Dec, 2022	Sunday
4 th Week	Exception handling, defensive programming. Software Testing: Functional testing: Boundary
19-24 Dec,2022	Value Analysis, Equivalence class testing,
25 Dec, 2022	Sunday
5 th Week	Cause effect graphing, Structural testing: Control flow based and data flow based testing, loop
	testing, mutation testing, load stress and performance testing,
26-31 Dec,2022	
29 Dec,2022	Guru Gobind Singh Jayanti
1 Jan, 2023	Sunday
1 st Week	Software testing strategies: unit testing, integration testing, System testing, Alpha and Beta
2-7 Jan, 2023	testing, debugging. Static Testing: Formal Technical Reviews, Walk Through,
8 Jan, 2023	Sunday
2 nd Week	Software Maintenance: Types of Maintenance, Maintenance Process, Maintenance
8-14 Jan, 2023	characteristics, Reverse Engineering, Software Re-engineering.
15 Jan, 2023	Sunday
3 rd Week	Code Inspection, Previous Years question paper discussed
16-21 Jan, 2023	The same state of the same state sta
10-21 Jan, 2023	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – NEHA SHARMA

Class- BCA

Subject- Web Designing Fundamentals

Paper- BCA-351

September, 2022 1 st Week	Introduction to Internet and World Wide Web; Evolution and History,
1 Sept-3 Sept	ways to connect to Internet, Applications of Internet
4 Sept, 2022	Sunday
2 nd Week	Newsgroup/UseNet, World Wide Web, Basic Features; Web Browsers,
5 Sept- 10 Sept	Client-Server model used by WWW,
11 Sept, 2022	Sunday
3 rd Week	Web Servers; Hypertext Transfer Protocol; URLs; Searching and Web-
12 Sept-17 Sept	Casting Techniques;
18 Sept, 2022	Sunday
4 th Week	Search Engines and Search Tools
19 Sept-24 Sept	
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022	Sunday
26 Sept, 2022	Maharana Agrasen Jayanti
5 th Week	Steps for Developing Website; Choosing the Contents; Home Page;
27 Sept - 29 Sept	
30 Sept, 2022	Talent show
October, 2022	Talent Show Holiday
1 st Week	
1 Oct,2022	
2 Oct, 2022	Sunday
1 st Week	
3 Oct - 8 Oct	Domain Names; Internet Service Provider; Planning and Designing Web Site;
5 Oct,2022	Dussehra
9 Oct,2022	Sunday
2 nd Week	Creating a Website; Web Publishing: Hosting Site
10 Oct - 15 Oct	
13 Oct, 2022	Karwa Chauth
16 Oct,2022	Sunday
3 rd Week	Introduction to HTML; Hypertext and HTML; HTML Document
17 Oct - 21 Oct	Features; HTML Tags; Header, Title, Body, Paragraph
22 Oct - 26 Oct	Diwali Break
4 th Week	Ordered/Unordered Line, Creating Links; Headers; Text Styles; Text
27 Oct - 31 Oct	Structuring; Text Colors and Background; Formatting Text;
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – NEHA SHARMA Class- BCA Subject- Web Designing Fundamentals

Paper- BCA-351

November, 2022	Haryana Day
1st Week	
1 Nov, 2022	
1 st Week	Page layouts; Insertion of Text, Movement of Text
2 Nov - 5 Nov	Images: Types of Images, Insertion of Image, Movement of Image, Ordered and Unordered lists;
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 12 Nov	Inserting Graphics; Table Handling Functions like Columns, Rows, Width, Colours
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week	Frame Creation and Layouts; Working with Forms and Communication
14 Nov - 19 Nov	between Frames
20 Nov, 2022	Sunday
4 th Week 21 Nov - 26 Nov	Menus; Working with Buttons like Radio, Check Box;
27 Nov, 2022	Sunday
5 th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
2 nd Week	Previous year Question Papers Discussed
5 Dec - 10 Dec	Problems taken from students
3 rd Week	University Examination
15 Dec,2022	
Onwards	

Lesson Plan for the Odd Semester (November 2022- January 2023)

Name of the Teacher – NEHA SHARMA

Class- M.Sc. First year

Subject- Discrete Mathematics Structure Paper- MS-15-14

November, 2022	Sunday
6 Nov, 2022	Sulland
2 nd Week	Set Theory: Basic Set Theory, Operations on Sets, Algebra of sets, Venn Diagrams.
7 Nov – 12 Nov	Relations: Binary Relations,
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week	Complement of relations, Inverse of relations, Composite relations, Properties,
14 Nov - 19 Nov	Equivalence, Partial Order and Total order relations. Functions: Functions on Set, Domain, Co-domain,
20 Nov, 2022	Sunday
4 th Week	Representation of Functions, Types Identity and Inverse Functions, Composition of
21 Nov - 26 Nov	Functions. Propositional Calculus: Propositional logic, Equivalences, Predicates, Quantifiers, Nested Quantifiers,
27 Nov, 2022	Sunday
5 th Week	Rules of Inference, Normal Forms, Proofs: Methods, Strategy.Counting: Pigeonhole
28 Nov – 3 Dec	Principle, Inclusion-Exclusion Principle,
4 Dec, 2022	Sunday
2 nd Week	Permutations and Combinations, Binomial Coefficients, Counting Principles.
5 Dec - 10 Dec	
11 Dec, 2022	Sunday
3 rd Week	Advanced Counting Techniques: Recurrence Relations, Solving Recurrence Relations,
12-17 Dec,2022	Divide and Conquer Algorithms and Recurrence Relations, Solution of Recurrence
18 Dec, 2022	Relations by the method of Generating Function Sunday
4 th Week	Problems taken from Unit-1,3 & 3 from students
19-24 Dec,2022	Latices and boolean algebra: Lattices, Hasse Diagram, Principle of Duality, Types of
17-24 DCC,2022	Lattices, Special Lattices,.
25 Dec, 2022	Sunday
5 th Week	Boolean Expression, Equivalent circuits, Dual, Normal Forms Graphs: Introduction,
26-31 Dec,2022	Terminology, Types of Graphs, Representation of Graphs, Paths and Circuits,
29 Dec,2022	Guru Gobind Singh Jayanti
1 Jan, 2023	Sunday
1 st Week	Cut-set and Cut - Vertices, Graph Isomorphism, Homomorphism, Connectivity, Bipartite
2-7 Jan, 2023	Graphs, Subgraphs, Operations on Graphs,
8 Jan, 2023	Sunday
2 nd Week	Euler and Hamiltonian Graphs, Shortest Path Problem, Planar & Dual Graphs, Coloring.
8-14 Jan, 2023	Tree: Tree Notations, Properties of tree, Types of Tree ,Operations,
15 Jan, 2023	Sunday
3 rd Week	Minimum Spanning Tree (MST). Previous Years question paper discussed
16-21 Jan, 2023	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher - Ms. Harbinder Kaur

Subject- Computer Science

Paper- Artificial Intelligence Class- BCA 5th Sem.

	em.
September, 2022	Artificial Intelligence, Intelligence, AI concepts, Various definitions of AI,
1 st Week	Knowledge, Knowledge pyramid
1 Sept-3 Sept	
4 Sept, 2022	Sunday
1 1	
2 nd Week	People and Computers :What Computer scan do better than people, What
5 Sept- 10 Sept	people can do better than computers.
с вере то вере	Characteristics of Al problems, Problems Representation in Al ,Components of
11 0 1 2022	AI,AI evolution, Application of AI, History of AI
11 Sept, 2022	Sunday
3 rd Week	The Turing test, The Revised Turing Test.
12 Sept-17 Sept	Expert system: Components of Expert System, Knowledge Base, Inference
	Engine, User Interface, Features of Expert System,
18 Sept, 2022	Sunday
• /	
4 th Week	Expert System Life cycle. Categories of Expert System, Rule Based vs Model
19 Sept-24 Sept	Based Expert System. Advantages and Limitations of Expert System.
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022	Sunday
26 Sept, 2022	· ·
20 Sept, 2022	Maharana Agrasen Jayanti
5 th Week	Developing an Expert System, Identification, conceptualization.
27 Sept - 29 Sept	
27 Sept - 29 Sept	Formalization, Implementation, testing, using an expert system, Application
	area of expert systems.
20 G + 2022	
30 Sept, 2022	Talent show
October, 2022	
1 st Week	Talent Show Holiday
1 Oct,2022	
2 Oct, 2022	Sunday
at	
1 st Week	Al and Search process: Brute Force Search-Depth/Breadth First Search, Heuristic
3 Oct - 8 Oct	Search: Hill Climbing ,Constraint Satisfaction.
5 Oct,2022	Dussehra
9 Oct,2022	Sunday
. nd	
2 nd Week	8-Puzzle and 15-Puzzle Problem with Heuristic and non-Heuristic Search
10 Oct - 15 Oct	Technique.

Name of the Teacher – Ms. Harbinder Kaur Subject- Computer Science Paper- Artificial Intelligence Class- BCA 5th Sem.

13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
10 000,2022	Sunday
3 rd Week	Natural Language Processing: Introduction, Need.
17 Oct - 21 Oct 22 Oct - 26 Oct	Diwali Break
22 Oct - 26 Oct	Diwan Break
4 th Week 27 Oct - 31 Oct	Goals of Natural Language Processing, Fundamental Problems in Natural Language Processing.
30 Oct, 2022	Sunday
November, 2022 1 st Week	
1 Nov, 2022	Haryana Day
1st Week	How people overcome Natural Language Processing , Introduction of Speech
2 Nov - 5 Nov	Recognition, Advantages ,Approaches.
6 Nov, 2022	Sunday
2 nd Week	Introduction to Robotics, Parts of Robot, Controlling a Robot, Intelligent Robots,
7 Nov – 12 Nov	Mobile Robots.
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022 3 rd Week	Sunday Consolar I/O. Historial and Consolar Sunson Classes Harfamouth dand
3 week 14 Nov - 19 Nov	Console I/O: Hierarchy of Console Stream Classes, Unformatted and Formatted I/O Operations.
20 Nov, 2022	Sunday
4 th Week 21 Nov - 26 Nov	Test Series on Different Topics
27 Nov, 2022	Sunday
5 th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
2 nd Week 5 Dec - 10 Dec	Discussion of Previous Year Question Papers
3 rd Week	University Examination
15 Dec,2022	
Onwards	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Harbinder Kaur Subject- Computer Science Paper- BCA-231 (Object Oriented Programming using C++) Class- BCA 3rd Sem.

September, 2022 1 st Week 1 Sept-3 Sept	Functions and their types , difference between Call By Value, Call By Reference and Call by Address
4 Sept, 2022	Sunday
2 nd Week 5 Sept- 10 Sept	What is Object Oriented Programming & How it differs from C. Object oriented Programming: Object-Oriented programming features and benefits. Object-Oriented features of C++, Class and Objects, Data Hiding & Encapsulation.
11 Sept, 2022	Sunday
3 rd Week 12 Sept-17 Sept	Structures, Data members and Member functions, types of Member function declaration. Scope resolution operator and its significance.
18 Sept, 2022	Sunday
4 th Week 19 Sept-24 Sept	Static Data Members, Static member functions, Nested and Local Class, Accessing Members of Class and Structure. Constructor, Initialization using constructor, Types of Constructor—
23 Sept,2022 25 Sept, 2022 26 Sept, 2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day Sunday Maharana Agrasen Jayanti
5 th Week 27 Sept - 29 Sept	Default, Parameterized & Copy Constructors, Constructor overloading, Default Values to Parameters, Destructors. Revision of Topics and Test
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Harbinder Kaur Subject- Computer Science Paper- BCA-231 (Object Oriented Programming using C++) Class- BCA 3rd Sem

October, 2022 1 st Week 1 Oct,2022	Talent Show Holiday
2 Oct, 2022	Sunday
1 st Week 3 Oct - 8 Oct	Various programs of Static members and Constructor. Polymorphism: Operators in C++, Precedence and Associativity Rules, Operator Overloading, Unary & Binary Operators Overloading.
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 10 Oct - 15 Oct	Function Overloading, Inline Functions Group Discussion and Tests Manipulators
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 17 Oct - 21 Oct	Friend Function, Friend Class and its programming. Array of Objects, Passing and Returning Objects to Functions.
22 Oct - 26 Oct	Diwali Break
4 th Week 27 Oct - 31 Oct	String Handling in C++. Dynamic Memory Management. Pointers and its types
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Harbinder Kaur

Subject- Computer Science

Paper- BCA-231 (Object Oriented Programming using C++) Class- BCA 3rd Sem

November, 2022	
1st Week	
1 Nov, 2022	Haryana Day
1st Week	New and Delete Operator, Array of Pointers to Objects
2 Nov - 5 Nov	This Pointer, how to use pointer in array and functions as parameter or as return type.
6 Nov, 2022	Sunday
2 nd Week	Passing Parameters to Functions by Reference & pointers.
7 Nov – 12 Nov	Discuss important topics for Exam
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week	Console I/O: Hierarchy of Console Stream Classes, Unformatted and
14 Nov - 19 Nov	Formatted I/O Operations.
20 Nov, 2022	Sunday
4 th Week	
21 Nov - 26 Nov	Discuss various program of Pointer and references
27 Nov, 2022	Sunday
5 th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
2 nd Week	
5 Dec - 10 Dec	Discussion of Previous Year Question Papers
3 rd Week	University Examination
15 Dec,2022 Onwards	

Lesson Plan for the Odd Semester (November 2022- January 2023)

Name of the Teacher – HARBINDER KAUR

Class- M.Sc. First year

Subject- DATA STRUCTURE & ALGORITHMS

Paper- MS-15-12

November, 2022 6 Nov, 2022	Sunday
2 nd Week	Introduction to Data Structures: Classification of Data Structures, Arrays, Stacks & Queues:
7 Nov – 12 Nov	Representation of Stacks, Operations, Applications, Queues, Queues Operations
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week	Circular Queues, Dequeue, Priority Queues, Applications. Linked Lists: Introduction, Types,
14 Nov - 19 Nov	Operations (Insertion, Deletion, Traversal, Searching, Sorting), Applications, Dynamic
	Memory Management, Implementation of Linked Representations.
20 Nov, 2022	Sunday
4 th Week	Trees: Definition, Representation of Trees, Types of Tree, Representation of Binary Trees,
21 Nov - 26 Nov	Binary Tree Traversals, Threaded Binary Trees, Binary Search Trees and Operations,
27 Nov, 2022	Sunday
5 th Week	Minimum Spanning Tree, AVL Trees, Heap, m-way Search Trees, B-Trees, B+ Trees,
28 Nov – 3 Dec	Applications, Advanced Trees: Introduction to 2-3 Tree, Redblack Tree, Splay Trees.
	Graphs: Definitions and Basic Terminologies, Representation of Graphs,
4 Dec, 2022	Sunday
2 nd Week	Graph Traversals, Shortest Path Problem, Applications, Introduction to Algorithms: Role of
5 Dec - 10 Dec	algorithms in computing, Complexity of algorithms, Analyzing algorithms, designing
	algorithms, asymptotic notations.
11 Dec, 2022	Sunday
3 rd Week	Divide and Conquer: Complexity of iterative programs and recursive programs, solving
12-17 Dec,2022	recurrence equations: back substitution method, recursion tree method, masters theorem. Analysis of heap sort and quick sort;
18 Dec, 2022	Sunday
4 th Week	Counting sort, Radix sort, Bucket sort, Lower bounds for sorting. Dynamic Programming
19-24 Dec,2022	(DP): Elements of DP, Matrix chain multiplication, Longest common subsequence,
	optimal binary search trees.
25 Dec, 2022	Sunday
5 th Week	Greedy Techniques (GT): Elements of GT, Activity selection problem, Huffman codes,
26-31 Dec,2022	Knapsack Problem. Graph Algorithms: Single source shortest path:.
29 Dec,2022	Guru Gobind Singh Jayanti
1 Jan, 2023	Sunday
1st Week	Analysis of Dijkstra's Algorithm, Limitations of Dijkstra's Algorithm, Negative weight
2-7 Jan, 2023	cycle, Bellman-Ford algorithm
8 Jan, 2023	Sunday
2 nd Week	All Pairs Shortest Path: Relation of Shortest path and matrix multiplication, Analysis of
8-14 Jan, 2023	Floyd Warshall algorithm. Maximum Flow: Flow network, Ford-Fulkerson method.
15 Jan, 2023	Sunday
3 rd Week	Computational complexity: Notion of Polynomial time algorithms, Complexity classes: P,
16-21 Jan, 2023	NP, NP-Hard and NPComplete,
, 	Polynomial time verification, Reducibility, NP-Completeness.

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Divya Vij Class- M.Sc. II Computer Science (3rd Semester)

Subject- Computers

Paper- OBJECT ORIENTED ANALYSIS AND DESIGN USING UML (MS-15-31)

G / 1 2022	
September, 2022	Modeling as a Design Technique: Abstraction, Encapsulation, Modularity.
1 st Week	
1 Sept-3 Sept	
4 Sept, 2022	Sunday
2 nd Week	Hierarchy, Typing, Concurrency, Persistence of objects. Purpose of
5 Sept- 10 Sept	modeling.
11 Sept, 2022	Sunday
3 rd Week	Class Model – Object & Class, Links & Associations, Generalization &
12 Sept-17 Sept	Inheritance.
18 Sept, 2022	Sunday
4 th Week	Association Ends, Multiplicity, Role names, Ordering, Qualification,
19 Sept-24 Sept	Aggregation.
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022	Sunday
26 Sept, 2022	Maharana Agrasen Jayanti
5 th Week	Link attributes & Link class, Abstract class, Metadata, Constraints.
27 Sept - 29 Sept	Constructing class diagram.
30 Sept, 2022	Talent show
October, 2022	Talent Show Holiday
1 st Week	
1 Oct,2022	
2 Oct, 2022	Sunday
1 st Week	State Modeling: Event, State, Activity, Action, Transitions & Conditions,
3 Oct - 8 Oct	State diagrams, Nested state diagrams, signal generalization, concurrency,
	relationships between class and state models.
5 Oct,2022	Dussehra
9 Oct,2022	Sunday
2 nd Week	Interaction Modeling: use case models, use case relationships, sequence
10 Oct - 15 Oct	models, procedural sequence models, activity models, special constructs
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	for activity models.
13 Oct, 2022	Karwa Chauth
16 Oct,2022	Sunday
3 rd Week	System Analysis & design: System development stages, system
17 Oct - 21 Oct	conception, analysis, domain class model, domain state model, iterating
	the analysis.
22 Oct - 26 Oct	Diwali Break
4 th Week	Application interaction model, application class model, application state
27 Oct - 31 Oct	model, adding operations.
000 01 000	mount, and of practions.

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Divya Vij Class- M.Sc. II Computer Science (3rd Semester)

Subject- Computers

Paper- OBJECT ORIENTED ANALYSIS AND DESIGN USING UML (MS-15-31)

30 Oct, 2022	Sunday
November, 2022	Haryana Day
1 st Week 1 Nov, 2022	
1 Nov, 2022 1 st Week	System Design: estimating performance, make a reuse plan, organize the
2 Nov - 5 Nov	system besign, estimating performance, make a reuse plan, organize the system into subsystem, identifying concurrency, allocating subsystems to processors and tasks, management of data stores
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 12 Nov	Handling global resources, choosing software control strategies, handling boundary conditions, setting trade-off priorities, selecting an architect style.
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week	Class Design: bridging gap, realize use cases with operations, designing
14 Nov - 19 Nov	algorithms, design optimization, adjustment of inheritance, organize classes & associations.
20 Nov, 2022	Sunday
4 th Week 21 Nov - 26 Nov	UML: Principles of modeling, UML Things – Structural, Behavioral, Grouping, Annotational. Relationships in UML – Dependency, Association, Generalization, Realization. UML Semantic Rules – Names, Scope, Visibility, Integrity, Execution. Mechanisms in the UML – Specifications, Adornments, Common Divisions, Extensibility Mechanisms.
27 Nov, 2022	Sunday
5 th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
2 nd Week	Overview of diagrams in UML - Class diagram, Object diagram, Use-
5 Dec - 10 Dec	Case diagram, Sequence diagram, Collaboration diagram, Statechart diagram, Activity diagram, Component diagram, Deployment diagram.
3 rd Week	University Examination
15 Dec,2022	Chresty Lammation
Onwards	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Divya Vij Class- BCA II (3rd Semester) Subject- Computers

Paper- Fundamentals of Data Base System (BCA-235)

1st Week 1 Sept-3 Sept 4 Sept, 2022 2nd Week 5 Sept- 10 Sept 11 Sept, 2022 3rd Week 12 Sept-17 Sept based Systems-File Based Approach. Limitations of File Based Approach, Database Approach Sunday Database Management System (DBMS) Environment, DBMS Functions and Component	
4 Sept, 2022 2 nd Week 5 Sept- 10 Sept 11 Sept, 2022 3 rd Week Database Management System (DBMS)	
2ndWeekLimitations of File Based Approach, Database5 Sept- 10 SeptDatabase Approach11 Sept, 2022Sunday3nd WeekDatabase Management System (DBMS)	
5 Sept- 10 Sept of Database Approach 11 Sept, 2022 Sunday 3 rd Week Database Management System (DBMS).	
11 Sept, 2022 Sunday 3rd Week Database Management System (DBMS).	C C DD160
3 rd Week Database Management System (DBMS).	C C DD150
	C , C DDIAG
12 Sept-17 Sept Environment, DBMS Functions and Component	, Components of DBMS
= = = ================================	ents.
18 Sept, 2022 Sunday	
4th Week Advantages and Disadvantages of DBM	S, Roles in the Database
19 Sept-24 Sept Environment - Data and Database Administra	tor
23 Sept,2022 Shaheedi Divas/ Haryana War Heroes' Martyr	dom Day
25 Sept, 2022 Sunday	
26 Sept, 2022 Maharana Agrasen Jayanti	
5 th Week Database Designers, Applications Developers	and Users.
27 Sept - 29 Sept	
30 Sept, 2022 Talent show	
October, 2022 Talent Show Holiday	
1 st Week	
1 Oct,2022	
2 Oct, 2022 Sunday	
1 st Week Database System Architecture – Three Leve	els of Architecture, External,
3 Oct - 8 Oct Conceptual and Internal Levels	
5 Oct,2022 Dussehra	
9 Oct,2022 Sunday	
2 nd Week Schemas, Mappings and Instances, Data In	ndependence – Logical and
10 Oct - 15 Oct Physical Data Independence	
13 Oct, 2022 Karwa Chauth	
16 Oct,2022 Sunday	
3 rd Week Classification of Database Management Syste	em
17 Oct - 21 Oct	
22 Oct - 26 Oct Diwali Break	
4 th Week Client Server architecture to DBMS.	
27 Oct - 31 Oct	
30 Oct, 2022 Sunday	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Divya Vij Class- BCA II (3rd Semester) Subject- Computers

Paper- Fundamentals of Data Base System (BCA-235)

November, 2022	Haryana Day
1st Week	
1 Nov, 2022	
1 st Week	Data Models: Records- based Data Models, Object-based Data Models,
2 Nov - 5 Nov	Physical Data Models and Conceptual Modeling, Entity-Relationship
	Model.
6 Nov, 2022	Sunday
2 nd Week	Physical Data Models and Conceptual Modeling, Entity-Relationship
7 Nov – 12 Nov	Model, Relationship Instances and ER Diagrams.
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week	Relational Data Model:-Brief History, Terminology in Relational Data
14 Nov - 19 Nov	Structure, Relations, Properties of Relations.
20 Nov, 2022	Sunday
4 th Week	Keys, Domains, Integrity Constraints over Relations, Base Tables and
21 Nov - 26 Nov	Views.
27 Nov, 2022	Sunday
5 th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
2 nd Week	Basic Concepts of Hierarchical and Network Data Model.
5 Dec - 10 Dec	
3 rd Week	University Examination
15 Dec,2022	
Onwards	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Divya Vij Class- BCA III (5th Semester) Subject- Computers

Paper- Programming using Visual Basic (BCA-355)

Introduction to VB: Visual & Non-Visual programming, Procedural,						
Object-Oriented Language						
Sunday						
Object-Based and Event-Driven Programming Languages, VB as Event						
Driven and Object-Based Language.						
Sunday						
VB Environment: Menu bar, Toolbar, Project explorer, Toolbox,						
Properties Window, Form Designer, Form Layout, Immediate window						
Sunday						
Default Controls in Tool Box Visual Development and Event Driven						
programming						
Shaheedi Divas/ Haryana War Heroes' Martyrdom Day						
Sunday						
Maharana Agrasen Jayanti						
Basics of Programming: Variables: Declaring Variables, Types of						
variables, Converting Variables Types, User Defined Data Types.						
Talent show						
Talent Show Holiday						
Sunday						
Forcing Variable Declaration, Scope & Lifetime of Variables, Constants:						
Named & Intrinsic.						
Dussehra						
Sunday						
Operators: Arithmetic, Relational & Logical operators, Input/output in						
VB: Various Controls for I/O, Message box, Input Box, Print statement.						
Karwa Chauth						
Sunday						
Design Statements in VD if statement if then also solest asso						
Decision Statements in VB - if statement, if-then-else, select-case.						
Diwali Break						
Diwali Break						

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Divya Vij Class- BCA III (5th Semester)

Subject- Computers

Paper- Programming using Visual Basic (BCA-355)

November, 2022	Haryana Day					
1 st Week						
1 Nov, 2022						
1 st Week	Nested Control Structure; Arrays: Declaring and using Arrays, One-					
2 Nov - 5 Nov	dimensional.					
6 Nov, 2022	Sunday					
2 nd Week	Two-dimensional and Multi-dimensional Arrays, Static and Dynamic					
7 Nov – 12 Nov	arrays, Array of Arrays.					
8 Nov,2022	Sh. Guru Nanak Dev jayanti					
13 Nov, 2022	Sunday					
3 rd Week	Procedures: General & Event Procedures, Subroutines, Functions, Calling					
14 Nov - 19 Nov	Procedures, Arguments - Passing Mechanisms, Optional Arguments,					
	Named Arguments, Functions Returning Custom Data Types.					
20 Nov, 2022	Sunday					
4 th Week	Simple Program Development in VB such as Sum of Numbers, Greatest					
21 Nov - 26 Nov	among Numbers, Checking Even/Odd Number, HCF of Two Numbers,					
27 Nov, 2022	Sunday					
5 th Week	Sessional Exams					
28 Nov – 3 Dec						
4 Dec, 2022	Sunday					
2 nd Week	Generate Prime Numbers, Generate Fibonacci Series, Factorial of a					
5 Dec - 10 Dec	Number, Searching, Sorting, etc.					
3 rd Week	University Examination					
15 Dec,2022						
Onwards						

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mamta Atreja Class- BCA-I (Semester-I)

Subject- Computers

Paper- BCA-112(Windows and PC Software)

September, 2022 1 st Week 1 Sept-3 Sept	Introduction to Windows and its Features, Hardware Requirements of Windows.
4 Sept, 2022	Sunday
2 nd Week 5 Sept- 10 Sept	Windows Concepts, Windows Structure, Desktop, Taskbar, Start Menu
11 Sept, 2022	Sunday
3 rd Week 12 Sept-17 Sept	My Pictures, My Music, My Documents, Recycle Bin. Managing Files, Folders and Disk .
18 Sept, 2022	Sunday
4 th Week 19 Sept-24 Sept	My Computer, Windows Explorer and its Facilities, Using CD, DVD, Pen Drive, Burning CD.
23 Sept,2022 25 Sept, 2022 26 Sept, 2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day Sunday Maharana Agrasen Jayanti
5 th Week 27 Sept - 29 Sept	Windows Accessories. Entertainment- Media Players, Sound Recorder, Volume Control.
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mamta Atreja Class- BCA-I (Semester-I) Subject- Computers Paper- BCA-112(Windows and PC Software)

October, 2022 1 st Week 1 Oct,2022	Talent Show Holiday
2 Oct, 2022	Sunday
1 st Week 3 Oct - 8 Oct	Managing Hardware & Software - Installation of Hardware & Software, Using Scanner, WebCamera, Printers. System Tools - Backup, Character Map, Clipboard Viewer, Disk Defragmenter, Drive Space, Scandisk, System Information, System Monitor, Disk Cleanup,
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 10 Oct - 15 Oct	Using Windows Update. Browsing the Web with Internet Explorer, Multiple User Features of Windows, Creating and Deleting User, Changing User Password, etc.
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 17 Oct - 21 Oct	Accessibility Features of Windows - Sharing Folders and Drives, Browsing the Entire Network, Using Shared Printers. Control Panel & its components
22 Oct - 26 Oct	Diwali Break
4 th Week 27 Oct - 31 Oct	Introduction and area of use, Working with Excel, Toolbars, Menus and Keyboard Shortcuts, concepts of Workbook & Worksheets, Using Wizards,
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mamta Atreja

Class- BCA-I (Semester-I)

Subject- Computers

Paper- BCA-112(Windows and PC Software)

November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 2 Nov - 5 Nov	Various Data Types, Usingdifferent features with Data, Cell and Texts, Inserting, Removing & Resizing of Columns & Rows, Working with Data & Ranges, Different Views of Worksheets, Column Freezing, Labels, Hiding, Splitting etc.,
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 12 Nov	Using different features with Data and Text, Cell Formatting including Borders & Shading.
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022 3 rd Week	Sunday Multiple Worksheets: Concept, Creating and Using Multiple Worksheets; Use of
14 Nov - 19 Nov	Formulas, Calculations & Functions, Various types of Functions, Cell Referencing, Absolute and Relative Addressing,
20 Nov, 2022	Sunday
4 th Week 21 Nov - 26 Nov	Working with Different Chart Types, Chart Wizard, Printing of Workbook & Worksheets with various options
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams
4 Dec, 2022	Sunday
2 nd Week 5 Dec - 10 Dec	Database: Creation, Sorting, Query and Filtering a Database; Creating and Using Macros; Pivot table & Pivot chart
3 rd Week 15 Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mamta Atreja Class- B.Sc.I(Semester-I) Computer Science

Subject- Computers

September, 2022 2 nd Week 5 Sept- 7 Sept	Computer Fundamentals: Definition, Functional components of computer,
11 Sept, 2022	Sunday
3 rd Week 12 Sept-14 Sept	characteristics & classification of computers, Applications of computers in various fields.
18 Sept, 2022	Sunday
4 th Week 19 Sept-21 Sept	Memory: Concept of primary & secondary memory, RAM, ROM, types of ROM, Cache memory, CPU Registers, flash memory,.
23 Sept,2022 25 Sept, 2022 26 Sept, 2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day Sunday Maharana Agrasen Jayanti
5 th Week 26 Sept - 28 Sept	Secondary storage devices: Sequential & direct access devices viz. magnetic tape, magnetic disk, CD, DVD
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mamta Atreja Class- B.Sc I(Semester-I) Computer Science

Subject- Computers

October, 2022 1 st Week 1 Oct,2022	Talent Show Holiday
2 Oct, 2022	Sunday
1 st Week 3 Oct – 5 Oct	Computer hardware & software: I/O devices, definition of software, relationship between hardware and software, types of software, motherboard, ports.
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 10 Oct - 12 Oct	Overview of operating system: Definition, functions of operating system, concept of multiprogramming, multitasking, multithreading, multiprocessing, time-sharing, real time, single-user& multi-user operating system, examples of various operating systems
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 17 Oct – 19 Oct	Planning the Computer Program: Concept of problem solving, Problem definition, Program design,
22 Oct - 26 Oct	Diwali Break
4 th Week 31 Oct,2022	Debugging, Types of errors in programming, Documentation.
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mamta Atreja Class- B.Sc I(Semester-I) Computer Science Subject- Computers Paper- I (Computer and Programming Fundament

Paper- 1	(C)	omputer	and	Progran	nming F	fundamental	S)

November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 2 Nov,2022	Techniques of Problem Solving: Flowcharting, algorithms, pseudo code
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 9 Nov	decision table, Structured programming concepts, Programming methodologies viz. top-down and bottomup programming.
8 Nov,2022 13 Nov, 2022	Sh. Guru Nanak Dev jayanti Sunday
3 rd Week 14 Nov – 16 Nov	Searching, Sorting, and Merging: Linear & Binary Searching, Bubble, Selection, and Insertion Sorting, Merging.
20 Nov, 2022	Sunday
4 th Week 21 Nov - 23 Nov	Computer Languages: Analogy with natural language, machine language, assembly language,
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams
4 Dec, 2022	Sunday
2 nd Week 5 Dec – 7 Dec	high-level language, language translators, characteristics of a good programming language
3 rd Week 15 Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mamta Atreja Class- B.Sc. I(Semester-I) Computer Science Subject- Computers Paper- II (PC Software)

September, 2022 1 st Week 1 Sept-3 Sept	Windows: Basics of Windows. Windows History, Basic components of windows, icons,
4 Sept, 2022	Sunday
2 nd Week 8 Sept- 10 Sept	types of icons, taskbar, activating windows, using desktop, title bar, running applications, Windows explorer, managing files and folders, Configuring System devices.
11 Sept, 2022	Sunday
3 rd Week 15 Sept-17 Sept	Control panel ,using windows accessories.
18 Sept, 2022	Sunday
4 th Week 22 Sept-24 Sept	Documentation Using Word - Introduction to Office Automation, Creating & Editing Document, Formatting Document, Auto-text, Autocorrect, Spelling and Grammar Tool,
23 Sept,2022 25 Sept, 2022 26 Sept, 2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day Sunday Maharana Agrasen Jayanti
5 th Week 29 Sept - 30 Sept	Document Dictionary, Page Formatting, Bookmark, Advance Features of MS-Word-Mail Merge,
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mamta Atreja Class- B.Sc.I(Semester-I) Computer Science Subject- Computers Paper- II (PC Software)

October, 2022 1 st Week 1 Oct,2022	Talent Show Holiday
2 Oct, 2022	Sunday
1 st Week 6 Oct - 8 Oct	Macros, Tables, File Management, Printing, Styles, linking and embedding object
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 13 Oct - 15 Oct	Electronic Spread Sheet using Excel - Introduction to MS-Excel,
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 20 Oct - 21 Oct	Creating & Editing Worksheet, Formatting and Essential Operations
22 Oct - 26 Oct	Diwali Break
4 th Week 27 Oct - 29 Oct	Formulas and Functions, Charts,
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mamta Atreja Class- B.Sc. I(Semester-I) Computer Science Subject- Computers Paper- II (PC Software)

November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 3 Nov - 5 Nov	Advance features of MS-Excel-Pivot table & Pivot Chart, Linking and Consolidation,
6 Nov, 2022	Sunday
2 nd Week 10 Nov – 12 Nov	Database Management using Excel-Sorting, Filtering, Table, Validation, Goal Seek, Scenario
8 Nov,2022 13 Nov, 2022	Sh. Guru Nanak Dev jayanti Sunday
3 rd Week 17 Nov - 19 Nov	Presentation using PowerPoint: Presentations, Creating, Manipulating & Enhancing Slides,
20 Nov, 2022	Sunday
4 th Week 24 Nov - 26 Nov	Organizational Charts, Excel Charts, Word Art, Layering art Objects, Animations and Sounds,
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams
4 Dec, 2022	Sunday
2 nd Week 8 Dec - 10 Dec	Inserting Animated Pictures or Accessing through Object, Inserting Recorded Sound Effect or In-Built Sound Effect.
3 rd Week 15 Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mamta Atreja Class- B.A.I(Semester-I) Computer Science Subject- Computers

September, 2022 2 nd Week 5 Sept- 7 Sept	Computer Fundamentals: Definition, Functional components of computer,
11 Sept, 2022	Sunday
3 rd Week 12 Sept-14 Sept	characteristics & classification of computers, Applications of computers in various fields.
18 Sept, 2022	Sunday
4 th Week 19 Sept-21 Sept	Memory: Concept of primary & secondary memory, RAM, ROM, types of ROM, Cache memory, CPU Registers, flash memory,
23 Sept,2022 25 Sept, 2022 26 Sept, 2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day Sunday Maharana Agrasen Jayanti
5 th Week 26 Sept - 28 Sept	Secondary storage devices: Sequential & direct access devices viz. magnetic tape, magnetic disk, CD, DVD
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mamta Atreja Class- B.A. I(Semester-I) Computer Science Subject- Computers

October, 2022 1 st Week 1 Oct,2022	Talent Show Holiday
2 Oct, 2022	Sunday
1 st Week 3 Oct – 5 Oct	Computer hardware & software: I/O devices, definition of software, relationship between hardware and software, types of software, motherboard, ports.
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 10 Oct - 12 Oct	Overview of operating system: Definition, functions of operating system, concept of multiprogramming, multitasking, multithreading, multiprocessing, time-sharing, real time, single-user& multi-user operating system, examples of various operating systems
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 17 Oct – 19 Oct	Planning the Computer Program: Concept of problem solving, Problem definition, Program design,
22 Oct - 26 Oct	Diwali Break
4 th Week 31 Oct,2022	Debugging, Types of errors in programming, Documentation.
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mamta Atreja Class- B.A. I(Semester-I) Computer Science Subject- Computers

November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 2 Nov,2022	Techniques of Problem Solving: Flowcharting, algorithms, pseudo code
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 9 Nov	decision table, Structured programming concepts, Programming methodologies viz. top-down and bottomup programming.
8 Nov,2022 13 Nov, 2022	Sh. Guru Nanak Dev jayanti Sunday
3 rd Week 14 Nov – 16 Nov	Searching, Sorting, and Merging: Linear & Binary Searching, Bubble, Selection, and Insertion Sorting, Merging.
20 Nov, 2022	Sunday
4 th Week 21 Nov - 23 Nov	Computer Languages: Analogy with natural language, machine language, assembly language,
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams
4 Dec, 2022	Sunday
2 nd Week 5 Dec – 7 Dec	high-level language, language translators, characteristics of a good programming language
3 rd Week 15 Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mamta Atreja Class- B.A. I(Semester-I) Computer Science Subject- Computers Paper- II (PC Software)

September, 2022 1 st Week 1 Sept-3 Sept	Windows: Basics of Windows. Windows History, Basic components of windows, icons,
4 Sept, 2022	Sunday
2 nd Week 8 Sept- 10 Sept	types of icons, taskbar, activating windows, using desktop, title bar, running applications, Windows explorer, managing files and folders, Configuring System devices.
11 Sept, 2022	Sunday
3 rd Week 15 Sept-17 Sept	Control panel ,using windows accessories.
18 Sept, 2022	Sunday
4 th Week 22 Sept-24 Sept	Documentation Using Word - Introduction to Office Automation, Creating & Editing Document, Formatting Document, Auto-text, Autocorrect, Spelling and Grammar Tool,
23 Sept,2022 25 Sept, 2022 26 Sept, 2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day Sunday Maharana Agrasen Jayanti
5 th Week 29 Sept - 30 Sept	Document Dictionary, Page Formatting, Bookmark, Advance Features of MS-Word-Mail Merge,
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mamta Atreja Class- B.A. I(Semester-I) Computer Science Subject- Computers Paper- II (PC Software)

October, 2022 1 st Week 1 Oct,2022	Talent Show Holiday
2 Oct, 2022	Sunday
1 st Week 6 Oct - 8 Oct	Macros, Tables, File Management, Printing, Styles, linking and embedding object
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 13 Oct - 15 Oct	Electronic Spread Sheet using Excel - Introduction to MS-Excel,
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 20 Oct - 21 Oct	Creating & Editing Worksheet, Formatting and Essential Operations
22 Oct - 26 Oct	Diwali Break
4 th Week 27 Oct - 29 Oct	Formulas and Functions, Charts,
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mamta Atreja Class- B.A. I(Semester-I) Computer Science Subject- Computers Paper- II (PC Software)

November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 3 Nov - 5 Nov	Advance features of MS-Excel-Pivot table & Pivot Chart, Linking and Consolidation,
6 Nov, 2022	Sunday
2 nd Week 10 Nov – 12 Nov	Database Management using Excel-Sorting, Filtering, Table, Validation, Goal Seek, Scenario
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week 17 Nov - 19 Nov	Presentation using PowerPoint: Presentations, Creating, Manipulating & Enhancing Slides,
20 Nov, 2022	Sunday
4 th Week 24 Nov - 26 Nov	Organizational Charts, Excel Charts, Word Art, Layering art Objects, Animations and Sounds,
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams
4 Dec, 2022	Sunday
2 nd Week 8 Dec - 10 Dec	Inserting Animated Pictures or Accessing through Object, Inserting Recorded Sound Effect or In-Built Sound Effect.
3 rd Week 15 Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Prashantika P Sanduja

Class- BCA I (1st Semester)

Subject- Logical Organization of Computers - I

Paper- BCA-114

September, 2022	Information Representation: Number Systems (Introduction)
1 st Week	
1 Sept-3 Sept	
4 Sept, 2022	Sunday
2 nd Week	Information Representation: Number Systems (Decimal Number System,
5 Sept- 10 Sept	Binary Number System, Octal Number System, Hexadecimal Number System)
11 Sept, 2022	Sunday
3 rd Week	Information Representation: Number Systems (Conversions between
12 Sept-17 Sept	Number Systems), Binary Arithmetic – Binary Addition, Binary
	Subtraction
18 Sept, 2022	Sunday
4 th Week	Binary Arithmetic – Binary Multiplication, Binary Division, Fixed-point
19 Sept-24 Sept	and Floating point representation of numbers, BCD Codes
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022	Sunday
26 Sept, 2022	Maharana Agrasen Jayanti
5 th Week	BCD Codes – BCD Addition, Error detecting and correcting codes,
27 Sept - 29 Sept	Character Representation – ASCII, EBCDIC
30 Sept, 2022	Talent show
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Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Prashantika P Sanduja Class- BCA I (1st Semester)

Subject- Logical Organization of Computers - I

Paper- BCA-114

October, 2022	Talent Show Holiday
1 st Week	
1 Oct,2022	
2 Oct, 2022	Sunday
1 st Week	Digital Logic: Basic Gates – AND, OR, NOT, Universal Gates – NAND,
3 Oct - 8 Oct	NOR, Other Gates – XOR, XNOR
5 Oct,2022	Dussehra
9 Oct,2022	Sunday
2 nd Week	Implementations of digital circuits, Combinational Logic –Characteristics,
10 Oct - 15 Oct	Design Procedures, Analysis Procedures
13 Oct, 2022	Karwa Chauth
16 Oct,2022	Sunday
3 rd Week	Binary Logic: Boolean Algebra, Boolean Theorems, Boolean Functions
17 Oct - 21 Oct	and Truth Tables, Canonical and Standard forms of Boolean functions
22 Oct - 26 Oct	Diwali Break
4 th Week	Simplification of Boolean Functions –Venn Diagram, Karnaugh Maps.
27 Oct - 31 Oct	
30 Oct, 2022	Sunday
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Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Prashantika P Sanduja Class- BCA I (1st Semester) Subject- Logical Organization of Computers - I Paper- BCA-114

November, 2022	Haryana Day
1 st Week	
1 Nov, 2022	
1 st Week	Test of Unit I, II &III
2 Nov - 5 Nov	
6 Nov, 2022	Sunday
2 nd Week	Combinational Circuits: Half-Adder, Full-Adder, Half-Subtractor, Full-
7 Nov – 12 Nov	Subtractor
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week	Encoders, Decoders, Multiplexers, Demultiplexers, Comparators, Code
14 Nov - 19 Nov	Converters.
20 Nov, 2022	Sunday
4 th Week	Test of Unit IV
21 Nov - 26 Nov	
27 Nov, 2022	Sunday
5 th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
2 nd Week	Revision of Whole Syllabus
5 Dec - 10 Dec	
3 rd Week	University Examination
15 Dec,2022	
Onwards	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Prashantika P Sanduja Class- BCA II (3rd Semester) Subject- Computer Architecture

Paper- BCA-233

September, 2022	Basic Computer Organisation and Design: Instruction Codes, Computer
1 st Week	Registers, Computer Instructions
1 Sept-3 Sept	
4 Sept, 2022	Sunday
2 nd Week	Timing and Control, Instruction Cycle, Memory Reference Instructions,
5 Sept- 10 Sept	Input-Output and Interrupt
11 Sept, 2022	Sunday
3 rd Week	Design of Basic Computer, Design of Accumulator Logic
12 Sept-17 Sept	
18 Sept, 2022	Sunday
4 th Week	Register Transfer and Microoperations: Register Transfer Language
19 Sept-24 Sept	(RTL), Register Transfer
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022	Sunday
26 Sept, 2022	Maharana Agrasen Jayanti
5 th Week	Bus and Memory Transfers, Arithmetic Microoperations
27 Sept - 29 Sept	
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Prashantika P Sanduja Class- BCA II (3rd Semester) Subject- Computer Architecture

Paper- BCA-233

October, 2022	Talent Show Holiday
1 st Week	
1 Oct,2022	
2 Oct, 2022	Sunday
1 st Week	Logic Microoperations, Shift Microoperations, Arithmetic Logic Shift
3 Oct - 8 Oct	Unit, Microprogrammed Control: Control Memory; Address Sequencing,
	Microprogram Sequencer, Design of Control Unit
5 Oct,2022	Dussehra
9 Oct,2022	Sunday
2 nd Week	Central Processing Unit: General Registers Organization, Stack
10 Oct - 15 Oct	Organization, Instruction Formats, Addressing Modes
13 Oct, 2022	Karwa Chauth
16 Oct, 2022	Sunday
3 rd Week	Data Transfer and Manipulation, Program Control, Program Interrupt,
17 Oct - 21 Oct	RISC, CISC.
22 Oct - 26 Oct	Diwali Break
4 th Week	Memory Organization: Memory Hierarchy, Auxiliary Memory,
27 Oct - 31 Oct	Associative Memory, Interleaved Memory, Cache memory
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Prashantika P Sanduja Class- BCA II (3rd Semester) Subject- Computer Architecture Paper- BCA-233

November, 2022	Haryana Day
1 st Week	
1 Nov, 2022	
1 st Week	Virtual Memory, Memory Management Hardware
2 Nov - 5 Nov	
6 Nov, 2022	Sunday
2 nd Week	Input Output Organization: Peripheral devices, Input-Output Interface,
7 Nov – 12 Nov	Asynchronous Data Transfer
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week	Modes of Transfer, Priority Interrupt, Direct Memory Access (DMA),
14 Nov - 19 Nov	Input-Output Processor(IOP)
20 Nov, 2022	Sunday
4 th Week	Test & Revision of Whole Syllabus
21 Nov - 26 Nov	
27 Nov, 2022	Sunday
5 th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
2 nd Week	Test & Revision of Whole Syllabus
5 Dec - 10 Dec	
3 rd Week	University Examination
15 Dec,2022	
Onwards	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Prashantika P Sanduja Class- M.Sc. CS II $(3^{rd}$ Semester)

Subject- Computer Networks

Paper- MS-15-33

September, 2022	Introduction to Computer Networks and its uses; Network categorization
1 st Week	and Hardware; Topologies; Network Software: Protocols, Services,
1 Sept-3 Sept	Network Architecture, Design issues for the layers, OSI Reference model,
1 Sept-3 Sept	· · · · · · · · · · · · · · · · · · ·
	TCP/IP Reference model, Comparison of OSI and TCP/IP Models,
4 Sept, 2022	Sunday
2 nd Week	Introduction to Example Networks: Internet, ISDN, X.25, Frame Relay,
5 Sept- 10 Sept	ATM, Data Communication Model, Digital and Analog data and signals,
	Asynchronous and Synchronous transmission; bit rate, baud, bandwidth,
	Transmission impairment; Channel Capacity
11 Sept, 2022	Sunday
3 rd Week	Switching; Multiplexing; Spread Spectrum; local loop; Modems and
12 Sept-17 Sept	ADSL, Encoding: NRZ, NRZ-I, Manchester and Differential Manchester
	encoding, Internet over Cable; ADSL Versus Cable; The Mobile
	Telephone System
18 Sept, 2022	Sunday
4 th Week	Data Link Layer Design issues; Framing, Error Detection and Correction;
19 Sept-24 Sept	Flow Control: Sliding Window Protocols; Medium Access Control: Aloha,
	CSMA protocols, Collision free protocols, Limited Contention Protocols,
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022	Sunday
26 Sept, 2022	Maharana Agrasen Jayanti
20 Sept, 2022	Manarana Agrasen Jayanu
5 th Week	Wavelength Division Multiple access protocol, Wireless LAN Protocol:
27 Sept - 29 Sept	MACA; High Speed LANs, Ethernet LAN, Fast Ethernet, Gigabit
=	Ethernet
30 Sept, 2022	Talent show
30 Sept, 2022	LAICHT SHUW

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Prashantika P Sanduja Class- M.Sc. CS II (3rd Semester) Subject- Computer Networks

Paper- MS-15-33

October, 2022	Talent Show Holiday
1 st Week	
1 Oct,2022	
2 Oct, 2022	Sunday
1 st Week	Binary Exponential Backoff algorithm; Token Ring and FDDI;
3 Oct - 8 Oct	Introduction to Wireless LANs, Network Layer Design issues, Virtual
	Circuit and Datagram Subnet, Routing Algorithms: Optimality principle
5 Oct,2022	Dussehra
9 Oct,2022	Sunday
2 nd Week	Shortest path Routing, Flooding, Distance Vector Routing, Link State
10 Oct - 15 Oct	Routing, Hierarchical Routing, Broadcast and Multi Cast Routing, Routing
	for Mobile hosts
13 Oct, 2022	Karwa Chauth
16 Oct,2022	Sunday
3 rd Week	Congestion Control Algorithms: General Principals; Congestion control in
17 Oct - 21 Oct	Virtual – Circuit Subnets
22 Oct - 26 Oct	Diwali Break
4 th Week	Congestion Control in Datagram Subnets: Choke packets, Load Shedding,
27 Oct - 31 Oct	Random Early Detection, Jitter Control
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Prashantika P Sanduja Class- M.Sc. CS II (3rd Semester) Subject- Computer Networks Paper- MS-15-33

November, 2022	Haryana Day
1 st Week	
1 Nov, 2022	
1 st Week	Quality of Service: Over provisioning, Buffering, Traffic Shaping, Leaky
2 Nov - 5 Nov	bucket, Token Bucket
6 Nov, 2022	Sunday
2 nd Week	Resource Reservation, Admission Control, Packet Scheduling
7 Nov – 12 Nov	
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week	Guided Transmission Media; Wireless Transmission, Satellite
14 Nov - 19 Nov	communication
20 Nov, 2022	Sunday
4 th Week	Test & Revision of Whole Syllabus
21 Nov - 26 Nov	
27 Nov, 2022	Sunday
5 th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
2 nd Week	Test & Revision of Whole Syllabus
5 Dec - 10 Dec	
3 rd Week	University Examination
15 Dec,2022	
Onwards	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Tarjeet Kaur Class- B.Sc.III(Semester-V) Computer Science Subject- Computers Paper-I (Fundamentals of Data Base Systems)

26 Sept, 2022

30 Sept, 2022

26 Sept - 28 Sept

5th Week

September, 2022 2 nd Week 5 Sept- 7 Sept	Basic Concepts – Data, Information, Records and files. Traditional file Based Approach
11 Sept, 2022	Sunday
3 rd Week 12 Sept-14 Sept	Limitations of Traditional File Based Approach Database Approach- Characteristics of Database Approach
18 Sept, 2022	Sunday
4 th Week 19 Sept-21 Sept	Database Management System (DBMS), Components of DBMS Environment
23 Sept,2022 25 Sept, 2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day Sunday

DBMS Functions and Components, Advantages and Disadvantages of

Maharana Agrasen Jayanti

DBMS.

Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Tarjeet Kaur Class- B.Sc.III(Semester-V) Computer Science Subject- Computers Paper-I (Fundamentals of Data Base Systems)

October, 2022 1 st Week 1 Oct,2022 2 Oct, 2022	Talent Show Holiday
2 Oct, 2022	Sunday
1 st Week 3 Oct – 5 Oct	Actors on the Scene - Data and Database Administrator, Database Designers, End users Applications Developers and Workers behind the Scene.
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 10 Oct - 12 Oct	Database System Architecture – Three Levels of Architecture, Schemas – External, Conceptual and Internal Level
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 17 Oct – 19 Oct	Database Languages – VDL, DDL, SDL, DML, SQL, Mappings – External/Conceptual and Conceptual/Internal
22 Oct - 26 Oct	Diwali Break
4 th Week 31 Oct,2022	Instances, Data Independence – Logical and Physical Data Independence
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Tarjeet Kaur

Class- B.Sc.III(Semester-V) Computer Science

Subject- Computers

Paper-I (Fundamentals of Data Base Systems)

November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 2 Nov,2022	Data Models: High Level, Low Level and Representational – Records-based Data Models, Object-based Data Models, Physical Data Models and Conceptual Models
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 9 Nov	Entity-Relationship Model – Concepts, Entity Types, Entity Sets, Attributes, Relationships,
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022 3 rd Week	Sunday
3 week 14 Nov – 16 Nov	Constraints, Keys , Degree, Cardinality etc
20 Nov, 2022	Sunday
4 th Week 21 Nov - 23 Nov	ER Diagrams of any Database Organization- Inventory System, Payroll System, Reservation System, Online Book Store etc.
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams
4 Dec, 2022	Sunday
2 nd Week 5 Dec – 7 Dec	Classification of Database Management System, Centralized and Client Server architecture Keys – Primary, Secondary, Composite, Candidate, Alternate and Foreign Key,
3 rd Week 15 Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Tarjeet Kaur Class- B.Sc.III(Semester-V) Computer Science Subject- Computers Paper-I (Fundamentals of Data Base Systems)

September, 2022 1 st Week 1 Sept-3 Sept	Introduction to Internet and World Wide Web; Evolution and History of World Wide Web; Basic Features
4 Sept, 2022	Sunday
2 nd Week 8 Sept- 10 Sept	Web Browsers; Web Servers; Hypertext Transfer Protocol; URLs
11 Sept, 2022	Sunday
3 rd Week 15 Sept-17 Sept	Searching and WebCasting Techniques; Search Engines and Search Tools
18 Sept, 2022	Sunday
4 th Week	Steps for Developing Website; Choosing the Contents; Home Page;
22 Sept-24 Sept	Domain Names
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022	Sunday
26 Sept, 2022	Maharana Agrasen Jayanti
5 th Week	Internet Service Provider; Planning and Designing Web Site; Creating a
29 Sept - 30 Sept	Website; Web Publishing: Hosting Site;
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Tarjeet Kaur Class- B.Sc.III(Semester-V) Computer Science Subject- Computers

Paper-II (Paper-II: Web Designing)

October, 2022 1 st Week 1 Oct,2022	Talent Show Holiday
2 Oct, 2022	Sunday
1st Week 6 Oct - 8 Oct	Introduction to HTML; Hypertext and HTML; HTML Document Features; HTML Tags; Header, Title, Body, Paragraph
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 13 Oct - 15 Oct	Ordered/Unordered Line, Creating Links; Headers; Text Styles
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 20 Oct - 21 Oct	Text Structuring; Text Colors and Background
22 Oct - 26 Oct	Diwali Break
4 th Week 27 Oct - 29 Oct	Formatting Text; Page layouts; Insertion of Text, Movement of Text
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Tarjeet Kaur

Class- B.Sc.III(Semester-V) Computer Science

Subject- Computers

Paper-II (Paper-II: Web Designing)

November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 3 Nov - 5 Nov	Images: Types of Images, Insertion of Image, Movement of Image, Ordered and Unordered lists
6 Nov, 2022	Sunday
2 nd Week 10 Nov – 12 Nov	Inserting Graphics; Table Handling Functions like Columns, Rows, Width, Colours
8 Nov,2022 13 Nov, 2022	Sh. Guru Nanak Dev jayanti Sunday
3 rd Week 17 Nov - 19 Nov	Frame Creation and Layouts, Communication between frames
20 Nov, 2022	Sunday
4 th Week 24 Nov - 26 Nov	Practice of developing Web Pages.
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams
4 Dec, 2022	Sunday
2 nd Week 8 Dec - 10 Dec	Working with Forms and Menus; Working with Buttons like Radio, Check Box
3 rd Week 15 Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (November 2022- January 2023)

Name of the Teacher – Tarjeet kaur

Class- M.Sc. First year Subject- Web Engineering

Paper- MS-15-11

November, 2022	Sunday
6 Nov, 2022	
2 nd Week	Introduction to Web Engineering: Categories and Characteristics of Web Applications,
7 Nov – 12 Nov	Web Applications Vs Conventional Software, Need for an Engineering Approach.
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3rd Week	Web Essentials: The Internet, Basic Internet Protocols, WWW, HTTP (Structure of
14 Nov - 19 Nov	Request and Response Messages), Web Browser and its functions, URL, Web Servers and their features, Defining Virtual Hosts, Secure Servers.
20 Nov, 2022	Sunday
4th Week	MarkUp Languages: Introduction to HTML, Characteristics, XHTML Syntax and
21 Nov - 26 Nov	Semantics, Fundamental HTML Elements, Lists, Tables, Frames, Forms, XHTML Abstract Syntax, Creating HTML Pages.
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Cascading Style Sheets: Features, Core Syntax, Types, Style Sheets and HTML, Style Rule Cascading and Inheritance, Text Properties, CSS Box Model, Normal Flow Box Layout, Positioning and other useful Style Properties.
4 Dec, 2022	Sunday
2 nd Week	Client–Side Programming: Introduction to JavaScript, Perspective, Basic Syntax,
5 Dec - 10 Dec	Variables and Data types,
11 Dec, 2022	Sunday
3rd Week	Statements, Operators, Literals, Functions, Objects, Arrays, Built-in Objects, Debuggers.
12-17 Dec,2022	
18 Dec, 2022	Sunday
4th Week	Sessions, Cookies, URL Rewriting, Servlet Capabilities, Servlets and Concurrency
19-24 Dec,2022	
25 Dec, 2022	Sunday
5 th Week	Practical Implementation of XML,DHTML,CSS, Java Script
26-31 Dec,2022	
29 Dec,2022	Guru Gobind Singh Jayanti
1 Jan, 2023	Sunday
1st Week	Server-Side Programming: Servlet Architecture, Generating Dynamic Content, Servlet
2-7 Jan, 2023	Life Cycle
8 Jan, 2023	Sunday
2 nd Week	XML: Relation between XML, HTML, SGML, Goals of XML, Structure and Syntax of
8-14 Jan, 2023	XML, Well Formed XML, DTD and its Structure, Namespaces and Data Typing in XML, Transforming
15 Jan, 2023	Sunday
3rd Week	XML Documents, XPATH, Template based Transformations, Linking with XML,
16-21 Jan, 2023	Displaying XML documents in Browsers

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher –Ms. Megha Class- BBA-II Subject- Fundamentals of DBMS and ORACLE Paper- BBA -205

September, 2022 1 st Week 1 Sept-3 Sept	Basic concepts-Traditional file oriented approach, Disadvantages of simple file system.
4 Sept, 2022	Sunday
2 nd Week 5 Sept- 10 Sept	Database approach, advantages of database approach.
11 Sept, 2022	Sunday
3 rd Week 12 Sept-17 Sept	Database management system (DBMS), Components of DBMS environment.
18 Sept, 2022	Sunday
4 th Week 19 Sept-24 Sept	Advantages and disadvantages of DBMS, DBMS architecture.
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022	Sunday
26 Sept, 2022	Maharana Agrasen Jayanti
5 th Week	
27 Sept - 29 Sept	Data independence, data models.
30 Sept, 2022	Talent show
October, 2022 1 st Week 1 Oct,2022	Talent Show Holiday
2 Oct, 2022	Sunday
1 st Week	Keys, computers: an introduction, use of computer in business
3 Oct - 8 Oct	-
5 Oct,2022	Dussehra
9 Oct,2022	Sunday
2 nd Week	Advantages and disadvantages, computerized system for inventory control,
10 Oct - 15 Oct	payroll order.
13 Oct, 2022	Karwa Chauth
16 Oct,2022	Sunday
3 rd Week	Banking and accounting.
17 Oct - 21 Oct	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher –Ms. Megha Class- BBA-II Subject- Fundamentals of DBMS and ORACLE Paper- BBA -205

22 Oct - 26 Oct	Diwali Break
4 th Week 27 Oct - 31 Oct	SQL using oracle: introduction to SQL, components of SQL: DDL, DML & DCL.
30 Oct, 2022	Sunday
November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 2 Nov - 5 Nov	Data types in SQL, DDL Commands: create, alter, drop, truncate.
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 12 Nov	Creating queries with DDL commands and implementing constraints.
8 Nov,2022 13 Nov, 2022	Sh. Guru Nanak Dev jayanti Sunday
3 rd Week 14 Nov - 19 Nov	DML Commands: insert, delete, update, select with Group by and Order by.
20 Nov, 2022	Sunday
4 th Week 21 Nov - 26 Nov	Creating queries with DML commands, operators: set and logical.SQL functions: numeric, scalar and group.
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams
4 Dec, 2022	Sunday
2 nd Week 5 Dec - 10 Dec 3 rd Week 15	Report writing: commands, advantages of report writing.
Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher –Ms. Megha Class- BCA III Subject- Computer Networks

Paper- BCA-354

G 4 1 2022	T. (1 (
September, 2022	Introduction to data communication and computer network.
1 st Week	
1 Sept-3 Sept	
4 Sept, 2022	Sunday
- '	
2 nd Week	Uses of computer network, types of computer network and their topologies,
5 Sept- 10 Sept	network hardware components.
11 Sept, 2022	Sunday
3 rd Week	Connectors, transceivers, repeaters, hubs, network interface cards, switches,
12 Sept-17 Sept	routers, gateways.
18 Sept, 2022	Sunday
ath way	
4 th Week	Network software, network design issues and protocols, connection oriented and
19 Sept-24 Sept	connectionless services, OSI reference Model.
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022	Sunday
26 Sept, 2022	Maharana Agrasen Jayanti
5 th Week	
27 Sept - 29 Sept	Networking models, distributed systems, client/server model, peer to peer
	model, and web based model.
	model, and web based model.
30 Sept, 2022	Talent show
October, 2022	Talent Show Holiday
1 st Week	
1 Oct,2022	
2 Oct, 2022	Sunday
1 st Week	Analog and digital data and signals, bandwidth and data rate, capacity, baud rate,
3 Oct - 8 Oct	transmission impairment, data rate limits.
5 Oct,2022	Dussehra
9 Oct,2022	Sunday
2 nd Week	Guided transmission media, wireless transmission, communication satellites,
10 Oct - 15 Oct	switching and multiplexing, modems and modulation techniques, ADSL and
	cable modems.
13 Oct, 2022	Karwa Chauth
16 Oct,2022	Sunday
ĺ	
3 rd Week	Data link layers, design issues, error detection and correction ,sliding window
17 Oct - 21 Oct	protocols, one bit go back N and selective Repeat, Media Access Control,
	ALOHA, Slotted Aloha, CSMA, free protocol.
22 Oct - 26 Oct	Diwali Break

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher –Ms. Megha Class- BCA III Subject- Computer Networks

Paper- BCA-354

4 th Week	
27 Oct - 31 Oct	Introduction to LAN technologies, Ethernet, switched Ethernet, fast Ethernet,
	Gigabit Ethernet, Token Ring, Introduction to Wireless LANs and Bluetooth,
	VLANs.
30 Oct, 2022	Sunday
November, 2022	Haryana Day
1st Week	
1 Nov, 2022	
1 st Week	Routing Algorithms, Flooding, shortest path routing ,distance vector routing.
2 Nov - 5 Nov	Routing Argorithms, I fooding, shortest path fouting ,distance vector fouting.
6 Nov, 2022	Sunday
,	· ·
2 nd Week	Link state routing, hierarchical routing, congestion control.
7 Nov – 12 Nov	
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022 3 rd Week	Sunday Truffic aboring abolic godests
3 week 14 Nov - 19 Nov	Traffic shaping, choke packets.
20 Nov, 2022	Sunday
4 th Week	Load shedding, elements of transport protocols, network security issues.
21 Nov - 26 Nov	
27 Nov, 2022	Sunday
5 th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
7 1000, 2022	Suitay
2 nd Week	Security attacks, encryption method, digital signature, digital certificate.
5 Dec - 10 Dec	
3 rd Week	
15 Dec,2022	University Examination
Onwards	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher –Ms. Megha Class- B.COM I Subject- Computer Application in Business Paper- BC-104

Camtamban 2022	Introduction to computer Definition Company
September, 2022 1 st Week	Introduction to computer: Definition, Components.
_ ''	
1 Sept-3 Sept	
4 Sept, 2022	Sunday
4 5срі, 2022	Sunday
2 nd Week	Characteristics of Computer, input devices.
5 Sept- 10 Sept	
11 Sept, 2022	Sunday
3 rd Week	Output devices. Memory and mass storage devices.
12 Sept-17 Sept	
18 Sept, 2022	Sunday
4 th Week	Introduction to modern CPU and processors.
19 Sept-24 Sept	
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022	Sunday
26 Sept, 2022	Maharana Agrasen Jayanti
eth xxx x	
5 th Week	Computer software: introduction, types of software, system.
27 Sept - 29 Sept	
30 Sept, 2022	Talent show
October, 2022	
1 st Week	Talent Show Holiday
1 Oct,2022	
2.0-4.2022	
2 Oct, 2022	Sunday
1 st Week	· ·
1 st Week 3 Oct - 8 Oct	Application and utility software, programming languages.
1 st Week 3 Oct - 8 Oct 5 Oct,2022	Application and utility software, programming languages. Dussehra
1 st Week 3 Oct - 8 Oct 5 Oct,2022 9 Oct,2022	Application and utility software, programming languages.
1 st Week 3 Oct - 8 Oct 5 Oct,2022 9 Oct,2022 2 nd Week	Application and utility software, programming languages. Dussehra Sunday
1 st Week 3 Oct - 8 Oct 5 Oct,2022 9 Oct,2022 2 nd Week 10 Oct - 15 Oct	Application and utility software, programming languages. Dussehra Sunday Introduction to operating system types and functions.
1 st Week 3 Oct - 8 Oct 5 Oct,2022 9 Oct,2022 2 nd Week 10 Oct - 15 Oct 13 Oct, 2022	Application and utility software, programming languages. Dussehra Sunday Introduction to operating system types and functions. Karwa Chauth
1 st Week 3 Oct - 8 Oct 5 Oct,2022 9 Oct,2022 2 nd Week 10 Oct - 15 Oct	Application and utility software, programming languages. Dussehra Sunday Introduction to operating system types and functions.
1 st Week 3 Oct - 8 Oct 5 Oct,2022 9 Oct,2022 2 nd Week 10 Oct - 15 Oct 13 Oct, 2022	Application and utility software, programming languages. Dussehra Sunday Introduction to operating system types and functions. Karwa Chauth
1 st Week 3 Oct - 8 Oct 5 Oct,2022 9 Oct,2022 2 nd Week 10 Oct - 15 Oct 13 Oct, 2022 16 Oct,2022	Application and utility software, programming languages. Dussehra Sunday Introduction to operating system types and functions. Karwa Chauth Sunday
1 st Week 3 Oct - 8 Oct 5 Oct,2022 9 Oct,2022 2 nd Week 10 Oct - 15 Oct 13 Oct, 2022 16 Oct,2022 3 rd Week	Application and utility software, programming languages. Dussehra Sunday Introduction to operating system types and functions. Karwa Chauth
1 st Week 3 Oct - 8 Oct 5 Oct,2022 9 Oct,2022 2 nd Week 10 Oct - 15 Oct 13 Oct, 2022 16 Oct,2022 3 rd Week	Application and utility software, programming languages. Dussehra Sunday Introduction to operating system types and functions. Karwa Chauth Sunday
1 st Week 3 Oct - 8 Oct 5 Oct,2022 9 Oct,2022 2 nd Week 10 Oct - 15 Oct 13 Oct, 2022 16 Oct,2022 3 rd Week 17 Oct - 21 Oct 22 Oct - 26 Oct	Application and utility software, programming languages. Dussehra Sunday Introduction to operating system types and functions. Karwa Chauth Sunday Real time applications, operating systems for tabs, mobile phones, android etc.
1 st Week 3 Oct - 8 Oct 5 Oct,2022 9 Oct,2022 2 nd Week 10 Oct - 15 Oct 13 Oct, 2022 16 Oct,2022 3 rd Week 17 Oct - 21 Oct 22 Oct - 26 Oct 4 th Week	Application and utility software, programming languages. Dussehra Sunday Introduction to operating system types and functions. Karwa Chauth Sunday Real time applications, operating systems for tabs, mobile phones, android etc. Diwali Break
1 st Week 3 Oct - 8 Oct 5 Oct,2022 9 Oct,2022 2 nd Week 10 Oct - 15 Oct 13 Oct, 2022 16 Oct,2022 3 rd Week 17 Oct - 21 Oct 22 Oct - 26 Oct	Application and utility software, programming languages. Dussehra Sunday Introduction to operating system types and functions. Karwa Chauth Sunday Real time applications, operating systems for tabs, mobile phones, android etc.
1 st Week 3 Oct - 8 Oct 5 Oct,2022 9 Oct,2022 2 nd Week 10 Oct - 15 Oct 13 Oct, 2022 16 Oct,2022 3 rd Week 17 Oct - 21 Oct 22 Oct - 26 Oct 4 th Week	Application and utility software, programming languages. Dussehra Sunday Introduction to operating system types and functions. Karwa Chauth Sunday Real time applications, operating systems for tabs, mobile phones, android etc. Diwali Break

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher –Ms. Megha Class- B.COM I Subject- Computer Application in Business Paper- BC-104

November, 2022	Haryana Day
1 st Week	
1 Nov, 2022	
1 st Week	Application software: spreadsheets, word processors.
2 Nov - 5 Nov	
6 Nov, 2022	Sunday
2 nd Week	
7 Nov – 12 Nov	Database management software.
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week	
14 Nov - 19 Nov	Network basics, types of network
20 Nov, 2022	Sunday
4 th Week	
21 Nov - 26 Nov	Topologies.
27 Nov, 2022	Sunday
5 th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
2 nd Week	Media, hardware and software required for networking.
5 Dec - 10 Dec	1
3 rd Week	University Examination
15 Dec,2022	
Onwards	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Megha Class- BCA-II Subject- Software Engineering

Paper- BCA-234

Comtombon 2022	
September, 2022	
1 st Week	Introduction: program vs software, software engineering, programming
1 Sept-3 Sept	paradigms, software crises-problem and causes.
4 Sept, 2022	Sunday
4 Sept, 2022	Sunday
2 nd Week	Dhoosa in anthropy development requirement analysis on through design and in a
	Phases in software development, requirement analysis, software design, coding,
5 Sept- 10 Sept	testing, maintenance.
11 Sept, 2022	Sunday
3 rd Week	Software development process models, waterfall, prototype, evolutionary and
12 Sept-17 Sept	spiral models, role of metrics.
18 Sept, 2022	
10 Sept, 2022	Sunday
4th xxx x	
4 th Week	Feasibility study, requirement analysis and specifications: SRS, Need for SRS,
19 Sept-24 Sept	Characteristics of an SRS, Components of an SRS, Problem Analysis.
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022	Sunday
26 Sept, 2022	Maharana Agrasen Jayanti
20 Sept, 2022	Wanarana Agrasen Jayanu
5 th Week	Information gathering tools, organizing and structuring information,
27 Sept - 29 Sept	requirement specification, validation and verification, SCM.
30 Sept, 2022	Talent show
October, 2022	
1 st Week	Talent Show Holiday
1 Oct,2022	Tutent blow Honday
2 Oct, 2022	Sunday
1st	
1 st Week	Structured analysis and tools, Data flow diagram, data dictionary, decision table,
3 Oct - 8 Oct	decision tress, structured English.
5 Oct,2022	Dussehra
9 Oct,2022	Sunday
2 nd Week	
10 Oct - 15 Oct	Entity-relationship diagram, cohesion and coupling, Gantt Chart, Pert Chart,
10 001 - 15 001	
10.0	Software Maintenance: types of Maintenance, Management of Maintenance.
13 Oct, 2022	Karwa Chauth
16 Oct,2022	Sunday
3 rd Week	
17 Oct - 21 Oct	Maintenance process, maintenance characteristics.
17 Oct - 21 Oct	maintenance process, maintenance enautetensites.

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Megha

Class- BCA-II

Subject- Software Engineering

Paper- BCA-234

22 Oct - 26 Oct	Diwali Break
4 th Week 27 Oct - 31 Oct	Software project planning, cost estimation, COCOMO Model ,project scheduling.
30 Oct, 2022	Sunday
November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 2 Nov - 5 Nov	Staffing and personnel planning, team structure.
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 12 Nov	Software configuration management, quality assurance plans.
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022 3 rd Week	Sunday
3 Week 14 Nov - 19 Nov	Project monitoring plans, risk management ,software testing strategies.
20 Nov, 2022	Sunday
4 th Week 21 Nov - 26 Nov	Unit testing, integration testing
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams
4 Dec, 2022	Sunday
2 nd Week 5 Dec - 10 Dec	Validation testing, system testing, alpha and beta testing.
3 rd Week 15 Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Megha

Class- B.A. II

Subject- Data Structure

Paper- Paper-I

September, 2022 1 st Week 1 Sept-3 Sept	Introduction: elementary data organization, data structure definition, data type vs. data structure.
4 Sept, 2022	Sunday
2 nd Week	Categories of data structure, data structure operations, applications of data
5 Sept- 10 Sept	structures, algorithm complexity and time-space tradeoff.
11 Sept, 2022	Sunday
3 rd Week	Big-O notation, string: introduction, strong strings, string operations ,pattern
12 Sept-17 Sept	Matching algorithms.
18 Sept, 2022	Sunday
4 th Week	Arrays: ,linear arrays, representation of linear array in memory, traversal
19 Sept-24 Sept	,insertions, deletions in an array, multidimensional arrays ,parallel arrays.
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022	Sunday
26 Sept, 2022	Maharana Agrasen Jayanti
5 th Week	Sparse arrays, linked list: introduction, array vs. linked list, representation of
27 Sept - 29 Sept	linked list in memory, traversal, insertion, deletion, searching in a linked list,
	header linked list.
30 Sept, 2022	Talent show
October, 2022	Talent Show Holiday
1 st Week	
1 Oct,2022	
2 Oct, 2022	Sunday
1 st Week	Circular Linked List, two way linked list, garbage collection, applications of
3 Oct - 8 Oct	linked list, algorithms of insertion/deletion in SLL.
5 Oct,2022	Dussehra
9 Oct,2022	Sunday
2 nd Week	Stacks: primitive operation on stack, algorithms of push and pop, representation
10 Oct - 15 Oct	of stack as linked list and array, stack applications: polish notation, recursion. Karwa Chauth
13 Oct, 2022 16 Oct,2022	Sunday
3 rd Week	Introduction to queues, primitive operations on queues, circular queue, priority
17 Oct - 21 Oct	queue, representation of queues as linked list and array, applications of queues.
22 Oct - 26 Oct	Diwali Break
4 th Week	Algorithm on insertion and deletion in simple queue and circular queue.
27 Oct - 31 Oct	
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Megha Class- B.A. II Subject- Data Structure Paper- Paper-I

November, 2022	Haryana Day
1 st Week	
1 Nov, 2022	
4St ***	
1 st Week	Tree: basic terminology, representation.
2 Nov - 5 Nov	
6 Nov, 2022	Sunday
2 nd Week	Binary trees, tree representations using array & linked list,basic operation on
7 Nov – 12 Nov	binary tree.
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week	
14 Nov - 19 Nov	Traversal of binary trees: In order, Preorder & Post order.
20 Nov, 2022	Sunday
4 th Week	Applications of binary trees, algorithm of tree traversal with and without
21 Nov - 26 Nov	recursion.
27 Nov, 2022	Sunday
5 th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
7 DCC, 2022	Sulday
2 nd Week	Introduction to graphs, definition, terminology, directed, undirected, and
5 Dec - 10 Dec	weighted graph, representation of graphs.
3 rd Week	University Examination
15 Dec,2022	
Onwards	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms.Gurcharan Kaur

Class- BCA-I Subject- Computer

Paper- BCA-111 Computer and Programming Fundamentals

September, 2022 1 st Week 1 Sept-3 Sept	UNIT-I Computer Fundamentals: Definition, Block Diagram along with its components
4 Sept, 2022	Sunday
2 nd Week 5 Sept- 10 Sept	Characteristics & classification of computers, Applications of computers in various fields.
11 Sept, 2022	Sunday
3 rd Week 12 Sept-17 Sept	Memory: Concept of primary & secondary memory, RAM, ROM, types of ROM
18 Sept, 2022	Sunday
4 th Week 19 Sept-24 Sept	Flash memory, Secondary storage devices: Sequential & direct access devices viz. Magnetic tape, Magnetic disk, CD, DVD.
23 Sept,2022 25 Sept, 2022 26 Sept, 2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day Sunday Maharana Agrasen Jayanti
5 th Week 27 Sept - 29 Sept	UNIT-II Computer hardware & software: I/O devices Class Test-I
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms.Gurcharan Kaur

Class- BCA-I Subject- Computer

Paper- BCA-111 Computer and Programming Fundamentals

2 Oct, 2022	Sunday
1 st Week 3 Oct - 8 Oct	Relationship between hardware and software, types of software
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 10 Oct - 15 Oct	Operating system: Definition, functions of operating system, concept of multiprogramming
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 17 Oct - 21 Oct	Multitasking, Multithreading, Multiprocessing, time-sharing, real time, single-user & Multi-user operating system.
22 Oct - 26 Oct	Diwali Break
4 th Week 27 Oct - 31 Oct	UNIT-III Planning the Computer Program: Concept of problem solving, Problem definition, Program design Class Test-2
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms.Gurcharan Kaur

Class- BCA-I Subject- Computer

Paper- BCA-111 Computer and Programming Fundamentals

November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 2 Nov - 5 Nov	Debugging, Types of errors in programming, Documentation, Techniques of Problem Solving: Flowcharting
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 12 Nov	Algorithms, pseudo code, decision table, Structured programming concepts, Programming methodologies viz. top-down and bottom-up programming.
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week 14 Nov - 19 Nov	Computer Virus, WORMS, Trojan
20 Nov, 2022	Sunday
4 th Week 21 Nov - 26 Nov	UNIT-IV Searching Linear & Binary Searching
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams Sorting, and Merging:, Bubble, Selection
4 Dec, 2022	Sunday
2 nd Week 5 Dec - 10 Dec	Revision
3 rd Week 15 Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher - Ms.Gurcharan Kaur

Class- BCA-II Subject- Computer

Paper- BCA-232 Data Structures

September, 2022 1 st Week 1 Sept-3 Sept	UNIT – I Introduction: Elementary data organization, Data Structure definition, Data type vs. data structure, Categories of data structures
4 Sept, 2022	Sunday
2 nd Week 5 Sept- 10 Sept	Data structure operations, Applications of data structures, Algorithms complexity and time-space tradeoff
11 Sept, 2022	Sunday
3 rd Week 12 Sept-17 Sept	Big-O notation. Strings: Introduction, String strings, String operations, Pattern matching algorithms.
18 Sept, 2022	Sunday
4 th Week 19 Sept-24 Sept	UNIT – II Arrays: Introduction. Linear arrays, Representation of linear array in Memory
23 Sept,2022 25 Sept, 2022 26 Sept, 2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day Sunday Maharana Agrasen Jayanti
5 th Week 27 Sept - 29 Sept	Traversal, Insertions, Deletion in an array, Multidimensional arrays Class Test-I
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher - Ms.Gurcharan Kaur

Class- BCA-II Subject- Computer

Paper- BCA-232 Data Structures

2 Oct, 2022	Sunday
1 st Week 3 Oct - 8 Oct	Linked List: Introduction, Array vs. linked list, Representation of linked lists in memory
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 10 Oct - 15 Oct	Traversal, Insertion
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 17 Oct - 21 Oct	Deletion
22 Oct - 26 Oct	Diwali Break
4 th Week 27 Oct - 31 Oct	UNIT – III Stack: Introduction, Array and linked representation of stacks Class Test-2
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher - Ms.Gurcharan Kaur

Class- BCA-II Subject- Computer

Paper- BCA-232 Data Structures

November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 2 Nov - 5 Nov	Operations on stacks, Applications of stacks: Polish notation, Recursion.
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 12 Nov	Queues: Introduction, Array and linked representation of queues, Operations on Queues
8 Nov,2022 13 Nov, 2022	Sh. Guru Nanak Dev jayanti Sunday
3 rd Week 14 Nov - 19 Nov	UNIT – IV Tree: Introduction, Definition, Representing Binary tree in memory
20 Nov, 2022	Sunday
4 th Week 21 Nov - 26 Nov	Graph: Introduction, Graph theory terminology
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams Sequential and linked representation of graphs.
4 Dec, 2022	Sunday
2 nd Week 5 Dec - 10 Dec	Revision
3 rd Week 15 Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher - Ms.Gurcharan Kaur

Class- BCA-III Subject- Computer

Paper- BCA-356 Multimedia Tools

September, 2022 1 st Week 1 Sept-3 Sept	UNIT – I Multimedia: Basic Concept, Definition, Components & Applications of Multimedia; Hypermedia
4 Sept, 2022	Sunday
2 nd Week 5 Sept- 10 Sept	Multimedia; Multimedia Hardware and Software; Multimedia Software Tools; Presentation Tools;
11 Sept, 2022	Sunday
3 rd Week 12 Sept-17 Sept	Multimedia Authoring: Introduction, Features, Types of Authoring Tools: Card or Page-Based, Icon
18 Sept, 2022	Sunday
4 th Week 19 Sept-24 Sept	UNIT – II Images: Graphics/Image Data Types, File Formats; Color Models in Images and Video
23 Sept,2022 25 Sept, 2022 26 Sept, 2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day Sunday Maharana Agrasen Jayanti
5 th Week 27 Sept - 29 Sept	Video: Introduction, Types of Video Signals; Analog and Digital Video; Analog Video Standards Class Test-I
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher - Ms.Gurcharan Kaur

Class- BCA-III Subject- Computer

Paper- BCA-356 Multimedia Tools

2 Oct, 2022	Sunday
1 st Week 3 Oct - 8 Oct	NTSC, PAL, SECA; Digital Video Standards: Chroma Subsampling, CCIR Standards, HDTV
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 10 Oct - 15 Oct	UNIT – III Digital Audio: Basic Concepts, Analog vs. Digital Audio, Digitization of Sound; Digital Audio File
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 17 Oct - 21 Oct	Formats, MIDI Quantization and Transmission of Audio: Coding of Audio; Pulse Code Modulation
22 Oct - 26 Oct	Diwali Break
4 th Week 27 Oct - 31 Oct	Differential Coding of Audio; Lossless Predictive Coding; DPCM; DM; ADPCM Class Test-2
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher - Ms.Gurcharan Kaur

Class- BCA-III Subject- Computer

Paper- BCA-356 Multimedia Tools

N	Hamana Day
November, 2022	Haryana Day
1 st Week	
1 Nov, 2022	
1st Week	UNIT – IV
2 Nov - 5 Nov	Compression Techniques: Introduction, Types of Data Compression, Run-
	Length Coding, Variable
	Zongar county, turners
6 Nov, 2022	Sunday
The state of the s	
2 nd Week	Length Coding, Dictionary-Based Coding, Transform Coding
7 Nov – 12 Nov	for
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week	Image and Video Compression Techniques: JPEG Standard
14 Nov - 19 Nov	image and video compression recimiques. 31 Do Standard
141107 171107	
20 Nov, 2022	Sunday
20 NOV, 2022	Sunday
4 th Week	Imaga Compression, IDEC Mode
21 Nov - 26 Nov	Image Compression; JPEG Mode,
21 NOV - 20 NOV	
27. N. 2022	
27 Nov, 2022	Sunday
5 th Week	Sessional Exams
28 Nov – 3 Dec	Video Compression Techniques: H.261, H.263, MPEG
4 Dec, 2022	Sunday
	· ·
and variable	Deviation
2 nd Week	Revision
5 Dec - 10 Dec	
ard xxv	
3 rd Week	University Examination
15 Dec,2022	
Onwards	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher - Ms.Gurcharan Kaur

Class- BBA-I Subject- Computer

Paper- BBA-106 Computer and Programming Fundamentals

September, 2022 1 st Week 1 Sept-3 Sept	Introduction to Computer: Introduction, Components, Types
4 Sept, 2022	Sunday
2 nd Week 5 Sept- 10 Sept	Brief history of computers, generations of computer
11 Sept, 2022	Sunday
3 rd Week 12 Sept-17 Sept	Computer Memory
18 Sept, 2022	Sunday
4 th Week 19 Sept-24 Sept	Software and Hardware
23 Sept,2022 25 Sept, 2022 26 Sept, 2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day Sunday Maharana Agrasen Jayanti
5 th Week 27 Sept - 29 Sept	Operating Systems- An Overview, Types Class Test-1
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms.Gurcharan Kaur

Class- BBA-I Subject- Computer

Paper- BBA-106 Computer and Programming Fundamentals

2 Oct, 2022	Sunday
1st Week 3 Oct - 8 Oct	function; Language: - Low level, Assembly Level, High Level
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 10 Oct - 15 Oct	Language; Language Processor: - Assembler, Compilers and Interpreters; Network:-LAN, WAN, MAN.
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 17 Oct - 21 Oct	Number Systems; CUI vs GUI. Window-features, types.
22 Oct - 26 Oct	Diwali Break
4 th Week 27 Oct - 31 Oct	Introduction to Internet: Internet basic, benefit and limitation, application and scope, IP address, Browser, WWW, E-mail, video conferencing. Class Test-2
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms.Gurcharan Kaur

Class- BBA-I Subject- Computer

Paper- BBA-106 Computer and Programming Fundamentals

November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 2 Nov - 5 Nov	Introduction to MS-Office- MS-Word: Starting Word, new documents, entering text, changing text, aligning, underlining, and justifying text. Tables
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 12 Nov	creation, adding rows and columns, splitting, and combining cells, Borders. Saving, closing, and operating documents. Adding headers and footers.
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week 14 Nov - 19 Nov	Power Point (Presentation software): Basic concept of presentation software, standard toolbar, formatting toolbar, and drawing toolbars in PowerPoint and their use.
20 Nov, 2022	Sunday
4 th Week	Introduction to Ms-Excel: working with
21 Nov - 26 Nov	spreadsheet, Basic commands and Functions.
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams
4 Dec, 2022	Sunday
2 nd Week 5 Dec - 10 Dec	Revision
3 rd Week 15 Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Leena Class- BCA-I (Semester I) Subject- Computers Paper- BCA-116 (Programming in C)

September, 2022 1 st Week 1 Sept-3 Sept	History of C, Importance of C, Structure of a C Program.
4 Sept, 2022	Sunday
2 nd Week 5 Sept- 10 Sept	Elements of C, C character set, identifiers and keywords, Data types, Constants and Variables, Assignment statement, Symbolic constant.
11 Sept, 2022	Sunday
3 rd Week 12 Sept-17 Sept	Unformatted & formatted I/O function in C, Input functions (scanf(), getch(), getche(), getchar(), gets()).
18 Sept, 2022	Sunday
4 th Week 19 Sept-24 Sept	Output functions (printf(), putch(), putchar(), puts()).
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022	Sunday
26 Sept, 2022	Maharana Agrasen Jayanti
5 th Week 27 Sept - 29 Sept	Arithmetic, relational, logical, bitwise, unary, assignment.
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Leena Class- BCA-I (Semester I) Subject- Computers Paper- BCA-116 (Programming in C)

October, 2022 1 st Week 1 Oct,2022	Talent Show Holiday
2 Oct, 2022	Sunday
1st Week 3 Oct - 8 Oct	Conditional operators and special operators, Operators & Expression, Arithmetic expressions
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 10 Oct - 15 Oct	Evaluation of arithmetic expression, type casting and conversion, operator hierarchy & associativity
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 17 Oct - 21 Oct	Decision making & branching: Decision making with IF statement, IF-ELSE statement
22 Oct - 26 Oct	Diwali Break
4 th Week 27 Oct - 31 Oct	Nested IF statement, ELSE-IF ladder, switch statement, goto statement.
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Leena Class- BCA-I (Semester I) Subject- Computers Paper- BCA-116 (Programming in C)

November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 2 Nov - 5 Nov	Decision making & looping: For, while, and do-while loop
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 12 Nov	Jumps in loops, break, continue statement. Functions: Definition, prototype, passing parameters, recursion.
8 Nov,2022 13 Nov, 2022	Sh. Guru Nanak Dev jayanti Sunday
3 rd Week 14 Nov - 19 Nov	Storage classes in C: auto, extern, register and static storage class
20 Nov, 2022	Sunday
4 th Week 21 Nov - 26 Nov	Their scope, storage, & lifetime. Arrays
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams
4 Dec, 2022	Sunday
2 nd Week 5 Dec - 10 Dec	Definition, types, initialization, processing an array, passing arrays to functions, Strings & arrays.
3 rd Week 15 Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Leena Class- MSc-II (Semester III) Subject- Computers

Paper- MS-15-32(Advanced Operating System)

September, 2022 1 st Week 1 Sept-3 Sept	Introduction to Distributed System, Hardware concepts, Software concepts, Design issues.
4 Sept, 2022	Sunday
2 nd Week 5 Sept- 10 Sept	Communication in Distributed Systems, Lay red Protocols, ATM networks, The Client-Server model, Remote Procedure call.
11 Sept, 2022	Sunday
3 rd Week 12 Sept-17 Sept	Group Communication, Synchronization in Distributed System, Clock Synchronization, Mutual Exclusion.
18 Sept, 2022	Sunday
4 th Week 19 Sept-24 Sept	Election algorithm, Atomic transactions, Deadlocks in Distributed systems.
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022 26 Sept, 2022	Sunday Maharana Agrasen Jayanti
5 th Week 27 Sept - 29 Sept	Process and Processors in Distributed System threads.
30 Sept, 2022	Talent show
October, 2022 1 st Week 1 Oct,2022	Talent Show Holiday
2 Oct, 2022	Sunday
1 st Week 3 Oct - 8 Oct	System Models, Processors allocaton, Scheduling in Distributed System, Fault tolerance.
5 Oct,2022 9 Oct,2022	Dussehra Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Leena Class- MSc-II(Semester III) Subject- Computers

Paper- MS-15-32(Advanced Operating System)

2 nd Week 10 Oct - 15 Oct	Real time Distributed System, Distributed file Systems, Distributed file systems design.
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 17 Oct - 21 Oct	Distributed File System implementation, Trends in Distributed File System.
22 Oct - 26 Oct	Diwali Break
4 th Week 27 Oct - 31 Oct	Distributed Shared Memory, Introduction, What is Shared memory, Consistency models, Page based Distributed Shared Memory.
30 Oct, 2022	Sunday
November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 2 Nov - 5 Nov	Shared – variable Distributed Shared memory, Object based Distributed Shared Memory.
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 12 Nov	Basic Model of Real Time Systems, Characterstics, Applications of Real Time Systems
8 Nov,2022 13 Nov, 2022	Sh. Guru Nanak Dev jayanti Sunday
3 rd Week 14 Nov - 19 Nov	Real Time Task Scheduling, Handling Resource Sharing.
20 Nov, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Leena Class- MSc-II(Semester III) Subject- Computers Paper- MS-15-32(Advanced Operating System)

Onwards

4 th Week 21 Nov - 26 Nov	Mobile Operating Systems, Micro kernel Design
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams
4 Dec, 2022	Sunday
2 nd Week 5 Dec - 10 Dec	Client Server Resource Access, Proceses and Threads, Memory Management.
3 rd Week 15 Dec,2022	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Saumya Kumar Class- M.sc. Final year

Subject- Advanced Database Systems

Paper- MS-15-32

Contombox 2022	Databasa Systam Concents Passas Three Scheme Architecture and Data
September, 2022 1 st Week	Database System Concepts-Basics, Three Schema Architecture and Data
	Independence.
1 Sept-3 Sept 4 Sept, 2022	Sunday
- '	·
2 nd Week	E-R Diagram, naming conventions, and Relational model constraints
5 Sept- 10 Sept	
11 Sept, 2022	Sunday
3 rd Week	EER Model –Subclasses, Superclass, Inheritance, Specialisation and
12 Sept-17 Sept	Generalisation, Constraints and Characterstics of Specialisation and
	Generalisation
18 Sept, 2022	Sunday
th	
4 th Week	Basics of object priented concept, object identity, objects structure, type
19 Sept-24 Sept	construcors, Encapsulation of operations, Methods and Persistence.
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022	Sunday
26 Sept, 2022	Maharana Agrasen Jayanti
5 th Week	
. ,,	Type Hierarchies and Inheritance, Complex Objects. Introduction to
27 Sept - 29 Sept	Query processing and optimization.
30 Sept, 2022	Talent show
October, 2022	
1 st Week	Talent Show Holiday
1 Oct,2022	
2 Oct, 2022	Sunday
1 st Week	Semantic Query Optimization and Database Tuning In Relational Systems.
3 Oct - 8 Oct	
5 Oct,2022	Dussehra
9 Oct,2022	Sunday
2 nd Week	
10 Oct - 15 Oct	Active Database concepts and Triggers
13 Oct, 2022	Karwa Chauth
16 Oct,2022	Sunday
3 rd Week	Temporal Database Concepts, Spatial and Multimedia Databases,
17 Oct - 21 Oct	Deductive Databases
22 Oct - 26 Oct	Diwali Break
4 th Week	Introduction to XML Schema, Documents
27 Oct - 31 Oct	
30 Oct, 2022	Sunday
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Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Saumya Kumar Class- M.sc. Final year Subject- Advanced Database Systems Paper- MS-15-32

November, 2022	
1st Week	Haryana Day
1 Nov, 2022	
1st Week	XML Schema, documents and Databases.
2 Nov - 5 Nov	
6 Nov, 2022	Sunday
2nd Week	Principles of big Data-Ontologies and Semantics, classifications, The
7 Nov – 12 Nov	simplest of ontologies.
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3rd Week	Ontologies classes and Multiple Parents, choosing a Data model
14 Nov - 19 Nov	
20 Nov, 2022	Sunday
4th Week	Data Integration and Software Interoperability Versioning.
21 Nov - 26 Nov	
27 Nov, 2022	Sunday
5th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
2nd Week	Compliance Issues, Stepwise Approach to Big Data Analysis, Failures
5 Dec - 10 Dec	and Legalities.
3rd Week	University Examination
15 Dec,2022	
Onwards	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Saumya Kumar Class- M.Com 3rd Sem Subject- Computer Applications In Business

Paper- MC 301

September, 2022	Computer System : Meaning and Scope
1 st Week	Computer System infoaming and Scope
1 Sept-3 Sept	
4 Sept, 2022	Sunday
2 nd Week	Basic Computer Organisation:-Central Processing Unit, Input, Output,
5 Sept- 10 Sept	AND Storage Devices.
11 Sept, 2022	Sunday
3 rd Week	Introduction to Software, System Software-Operating System,
12 Sept-17 Sept	UserInterface and it's Types
18 Sept, 2022	Sunday
4 th Week	Application Software
19 Sept-24 Sept	
23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022	Sunday
26 Sept, 2022	Maharana Agrasen Jayanti
5 th Week	Word Processing, Spreadsheets
27 Sept - 29 Sept	
30 Sept, 2022	Talent show
October, 2022	
1st Week	Talent Show Holiday
1 Oct,2022	
2 Oct, 2022	Sunday
1st Week	Introduction to Databases, Tables and queries
3 Oct - 8 Oct	
5 Oct,2022	Dussehra
9 Oct,2022	Sunday
2nd Week	Introduction to Report and Form Generation.
10 Oct - 15 Oct	
3rd Week	Fuzzy Logic, Information Technology in Business, Concepts of
17 Oct - 21 Oct	Information Technology.
22 Oct - 26 Oct	Diwali Break
4th Week	Local Area Network , Media And Topologies.
27 Oct - 31 Oct	
30 Oct, 2022	Sunday
November, 2022	
1st Week	Haryana Day
1 Nov, 2022	
1st Week	Wide Area Networks, Electronic Data Processing.
2 Nov - 5 Nov	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Saumya Kumar Class- M.Com 3rd Sem Subject- Computer Applications In Business Paper- MC 301

6 Nov, 2022	Sunday
2nd Week	Intranet and Extranet
7 Nov – 12 Nov	
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3rd Week	Concept and evolution of Internet
14 Nov - 19 Nov	
20 Nov, 2022	Sunday
4th Week	World Wide Web, Multimedia Technologies
21 Nov - 26 Nov	
27 Nov, 2022	Sunday
5th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
2nd Week	Video Conferencing, Broadband Networks and Designing Web Pages.
5 Dec - 10 Dec	
3rd Week	University Examination
15 Dec,2022	
Onwards	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Saumya Kumar Class- BBA 5TH sem Subject-Fundamentals of E-Commerce

Paper- BBA-304

September, 2022	Definition of E-Commerce, Benefits of E-Commerce.
1 st Week	· · · · · · · · · · · · · · · · · · ·
1 Sept-3 Sept	
	Sunday
	Role of internet in e-commerce, Implications of E –Commerce for
	accounting Professionals.
11 Sept, 2022	Sunday
3 rd Week	Regulatory Environment- Cryptographic Issues, Privacy Issues(Children's
12 Sept-17 Sept	issues, adults rights).
	Sunday
4 th Week	Domain name disputes, electronic agreements and digital signatures
19 Sept-24 Sept	
	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
	Sunday
26 Sept, 2022	Maharana Agrasen Jayanti
5 th Week	Internet Service Provider, Firewalls, TCP/IP.
27 Sept - 29 Sept	
30 Sept, 2022	Talent show
October, 2022	
1st Week	Talent Show Holiday
1 Oct,2022	
2 Oct, 2022	Sunday
1st Week	OSI Model, Components of Firewall.
3 Oct - 8 Oct	
5 Oct,2022	Dussehra
9 Oct,2022	Sunday
2nd Week	Limitations of the Security Preventions provide by firewalls, Introduction
10 Oct - 15 Oct	to EDI Ecommerce and Internet- Traditional EDI Systems(Origin, non
	EDI Systems).
13 Oct, 2022	Karwa Chauth
16 Oct,2022	Sunday
3rd Week	Value Added Networks, Partially and Fully Integrated EDI Systems.
17 Oct - 21 Oct	
22 Oct - 26 Oct	Diwali Break
4th Week	Benefits of EDI Systems
	Introduction to Financial EDI

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Saumya Kumar Class- BBA 5TH sem Subject-Fundamentals of E-Commerce

Paper- BBA-304

30 Oct, 2022	Sunday
1st Week	Financial EDI System and it's characterstics
2 Nov - 5 Nov	
6 Nov, 2022	Sunday
2nd Week	EDI Systems and Internet, Intelligent Agents.
7 Nov – 12 Nov	
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3rd Week	Web based Marketing
14 Nov - 19 Nov	
20 Nov, 2022	Sunday
4th Week	Risk Management Paradigm, Role of Internet.
21 Nov - 26 Nov	
27 Nov, 2022	Sunday
5th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
2nd Week	Controls in Risk Management
5 Dec - 10 Dec	
3rd Week	University Examination
15 Dec,2022	
onwards	

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mandeep Kaur Class- B.A II Subject- Data Structures

Paper- Paper-I

September, 2022 1 st Week 1 Sept-3 Sept	Introduction: elementary data organization, data structure definition, data type vs. data structure
4 Sept, 2022	Sunday
2 nd Week 5 Sept- 10 Sept	Categories of data structure, data structure operations, applications of data structures, algorithm complexity and time-space tradeoff
11 Sept, 2022	Sunday
3 rd Week 12 Sept-17 Sept	Big-O notation, string: introduction, strong strings, string operations ,pattern Matching algorithms.
18 Sept, 2022	Sunday
4 th Week 19 Sept-24 Sept	Arrays: ,linear arrays, representation of linear array in memory, traversal ,insertions, deletions in an array, multidimensional arrays ,parallel arrays.
23 Sept,2022 25 Sept, 2022 26 Sept, 2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day Sunday Maharana Agrasen Jayanti
5 th Week 27 Sept - 29 Sept	Sparse arrays, linked list: introduction, array vs. linked list, representation of linked list in memory, traversal, insertion, deletion, searching in a linked list, header linked list.
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mandeep Kaur Class- B.A. II Subject- Data Structures Paper- Paper-I

October, 2022 1 st Week 1 Oct,2022	Talent Show Holiday
2 Oct, 2022	Sunday
1st Week 3 Oct - 8 Oct	Circular Linked List, two way linked list, garbage collection, applications of linked list, algorithms of insertion/deletion in SLL.
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 10 Oct - 15 Oct	Stacks: primitive operation on stack, algorithms of push and pop, representation of stack as linked list and array, stack applications: polish notation, recursion
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 17 Oct - 21 Oct	Introduction to queues, primitive operations on queues, circular queue, priority queue, representation of queues as linked list and array, applications of queues.
22 Oct - 26 Oct	Diwali BreaK
4 th Week 27 Oct - 31 Oct	Algorithm on insertion and deletion in simple queue and circular queue.
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mandeep Kaur Class- B.A. II Subject- Data Structures Paper- Paper-I

November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 2 Nov - 5 Nov	Tree: basic terminology, representation
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 12 Nov	Binary trees, tree representations using array & linked list,basic operation on binary tree.
8 Nov,2022 13 Nov, 2022	Sh. Guru Nanak Dev jayanti Sunday
3 rd Week 14 Nov - 19 Nov	Traversal of binary trees: In order, Preorder & Post order.
20 Nov, 2022	Sunday
4 th Week 21 Nov - 26 Nov	Applications of binary trees, algorithm of tree traversal with and without recursion.
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams
4 Dec, 2022	Sunday
2 nd Week 5 Dec - 10 Dec	Introduction to graphs, definition, terminology, directed, undirected, and weighted graph, representation of graphs.
3 rd Week 15 Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mandeep Kaur Class- B.A II Subject- Software Engineering

Paper- Paper-II

September, 2022 1 st Week 1 Sept-3 Sept	Program vs. Software, Software Engineering
4 Sept, 2022	Sunday
2 nd Week 5 Sept- 10 Sept	Programming paradigms, Software Crisis – problem and causes, Phases in Software development: Requirement Analysis, Software Design, Coding, Testing, Maintenance
11 Sept, 2022	Sunday
3 rd Week 12 Sept-17 Sept	Software Development Process Models: Waterfall, Prototype
18 Sept, 2022	Sunday
4 th Week 19 Sept-24 Sept	Evolutionary and Spiral models, Role of Metrics.
23 Sept,2022 25 Sept, 2022 26 Sept, 2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day Sunday Maharana Agrasen Jayanti
5 th Week 27 Sept - 29 Sept	Feasibility Study, Software Requirement Analysis and Specifications
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mandeep Kaur Class- B.A. II Subject- Software Engineering Paper- Paper-II

October, 2022 1 st Week 1 Oct,2022	Talent Show Holiday
2 Oct, 2022	Sunday
1 st Week 3 Oct - 8 Oct	SRS, Need for SRS, Characteristics of an SRS, Components of an SRS, Problem Analysis
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 10 Oct - 15 Oct	Information gathering tools, Organizing and structuring information, Requirement Specification, validation and metrices .
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 17 Oct - 21 Oct	Structured Analysis and Tools: Data Flow Diagram, Data Dictionary, Decision table, Decision tress, Structured English
22 Oct - 26 Oct	Diwali Break
4 th Week 27 Oct - 31 Oct	. Entity-Relationship diagrams, Software Project Planning: Cost estimation: COCOMO model
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mandeep Kaur Class- B.A. II Subject- Software Engineering

November, 2022 1 st Week 1 Nov, 2022	Haryana Day
1 st Week 2 Nov - 5 Nov	Project scheduling ,Staffing and personnel planning, team structure
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 12 Nov	Software configuration management, Quality assurance plans, Project monitoring plans
8 Nov,2022 13 Nov, 2022	Sh. Guru Nanak Dev jayanti Sunday
3 rd Week 14 Nov - 19 Nov	Risk Management, Software testing strategies: unit testing, integration testing, Validation testing, System testing, Alpha and Beta testing
20 Nov, 2022	Sunday
4 th Week 21 Nov - 26 Nov	Black box Testing, White Box Testing, Cyclomatic Complexity,
27 Nov, 2022	Sunday
5 th Week 28 Nov – 3 Dec	Sessional Exams
4 Dec, 2022	Sunday
2 nd Week 5 Dec - 10 Dec	Software Maintenance: Type of maintenance, Management of Maintenance, Maintenance Process, maintenance characteristics.
3 rd Week 15 Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mandeep Kaur Class- B.Sc. (CS) II Subject- Data Structures

Paper- Paper-I

September, 2022 1 st Week 1 Sept-3 Sept	Introduction: elementary data organization, data structure definition, data type vs. data structure
4 Sept, 2022	Sunday
2 nd Week 5 Sept- 10 Sept	Categories of data structure, data structure operations, applications of data structures, algorithm complexity and time-space tradeoff
11 Sept, 2022	Sunday
3 rd Week 12 Sept-17 Sept	Big-O notation, string: introduction, strong strings, string operations ,pattern Matching algorithms.
18 Sept, 2022	Sunday
4 th Week 19 Sept-24 Sept	Arrays: ,linear arrays, representation of linear array in memory, traversal ,insertions, deletions in an array, multidimensional arrays ,parallel arrays.
23 Sept,2022 25 Sept, 2022 26 Sept, 2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day Sunday Maharana Agrasen Jayanti
5 th Week 27 Sept - 29 Sept	Sparse arrays, linked list: introduction, array vs. linked list, representation of linked list in memory, traversal, insertion, deletion, searching in a linked list, header linked list.
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mandeep Kaur Class- B.Sc. (CS) II Subject- Data Structures

Paper- Paper-I

October, 2022 1 st Week 1 Oct,2022	Talent Show Holiday
2 Oct, 2022	Sunday
1st Week 3 Oct - 8 Oct	Circular Linked List, two way linked list, garbage collection, applications of linked list, algorithms of insertion/deletion in SLL.
5 Oct,2022 9 Oct,2022	Dussehra Sunday
2 nd Week 10 Oct - 15 Oct	Stacks: primitive operation on stack, algorithms of push and pop, representation of stack as linked list and array, stack applications: polish notation, recursion
13 Oct, 2022 16 Oct,2022	Karwa Chauth Sunday
3 rd Week 17 Oct - 21 Oct	Introduction to queues, primitive operations on queues, circular queue, priority queue, representation of queues as linked list and array, applications of queues.
22 Oct - 26 Oct	Diwali Break
4 th Week 27 Oct - 31 Oct	Algorithm on insertion and deletion in simple queue and circular queue.
30 Oct, 2022	Sunday

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mandeep Kaur Class- B.Sc. (CS) II Subject- Data Structures

Paper- Paper-

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1 st Week 2 Nov - 5 Nov	Tree: basic terminology, representation
6 Nov, 2022	Sunday
2 nd Week 7 Nov – 12 Nov	Binary trees, tree representations using array & linked list,basic operation on binary tree.
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5 th Week 28 Nov – 3 Dec	Sessional Exams
4 Dec, 2022	Sunday
2 nd Week 5 Dec - 10 Dec	Introduction to graphs, definition, terminology, directed, undirected, and weighted graph, representation of graphs.
3 rd Week 15 Dec,2022 Onwards	University Examination

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mandeep Kaur Class- B.Sc. (CS) II Subject- Software Engineering Paper- Paper-II

September, 2022 1 st Week 1 Sept-3 Sept	Program vs. Software, Software Engineering
4 Sept, 2022	Sunday
2 nd Week 5 Sept- 10 Sept	Programming paradigms, Software Crisis – problem and causes, Phases in Software development: Requirement Analysis, Software Design, Coding, Testing, Maintenance
11 Sept, 2022	Sunday
3 rd Week 12 Sept-17 Sept	Software Development Process Models: Waterfall, Prototype
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23 Sept,2022	Shaheedi Divas/ Haryana War Heroes' Martyrdom Day
25 Sept, 2022 26 Sept, 2022	Sunday Maharana Agrasen Jayanti
5 th Week 27 Sept - 29 Sept	Feasibility Study, Software Requirement Analysis and Specifications
30 Sept, 2022	Talent show

Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mandeep Kaur Class- B.Sc. (CS) II Subject- Software Engineering Paper- Paper-II

October, 2022 1 st Week 1 Oct,2022	Talent Show Holiday
2 Oct, 2022	Sunday
1 st Week 3 Oct - 8 Oct	SRS, Need for SRS, Characteristics of an SRS, Components of an SRS, Problem Analysis
5 Oct,2022 9 Oct,2022	Dussehra Sunday
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Lesson Plan for the Odd Semester (September to December, 2022)

Name of the Teacher – Ms. Mandeep Kaur Class- B.Sc. (CS) II Subject- Software Engineering

Paper- Paper-II

November, 2022	
1 st Week	Haryana Day
1 Nov, 2022	
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2 Nov - 5 Nov	Project scheduling ,Staffing and personnel planning, team structure
21107 - 31107	Project scheduling ,starring and personner planning, team structure
6 Nov, 2022	Sunday
2 nd Week	
7 Nov – 12 Nov	Software configuration management, Quality assurance plans, Project
	monitoring plans
8 Nov,2022	Sh. Guru Nanak Dev jayanti
13 Nov, 2022	Sunday
3 rd Week	
14 Nov - 19 Nov	Risk Management, Software testing strategies: unit testing, integration
	testing, Validation testing, System testing, Alpha and Beta testing
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20 Nov, 2022	Sunday
4 th Week	
21 Nov - 26 Nov	Black box Testing, White Box Testing, Cyclomatic Complexity,
27 Nov, 2022	Sunday
5 th Week	Sessional Exams
28 Nov – 3 Dec	
4 Dec, 2022	Sunday
2 nd Week	
5 Dec - 10 Dec	Software Maintenance: Type of maintenance, Management of
	Maintenance, Maintenance Process, maintenance characteristics.
	Transcondince, transcondince i rocess, maintenance characteristics.
3 rd Week	University Examination
15 Dec,2022	Cart Cabley and an analysis an
Onwards	