KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Sakshi Aneja
Class- BCA III Year (5th Semester)
Subject- Operating System-I
Paper- BCA-352

August, 2023 **1st Week** **1 Aug - 5 Aug**	Operating System: Definition, Characteristics, Components, Functions, Examples; Types of Operating System: Single User/Multi User.
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Classification of Operating System: Batch, Multiprogrammed, Timesharing, Multiprocessing, Parallel
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Distributed, Real Time; System Calls and System Programs: Process Control
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	File Manipulation, Device Manipulation, Information Maintenance, Communication.
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Revision of Unit I
30 Aug, 2023	**Raksha Bandhan**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Sakshi Aneja
Class- BCA III Year (5th Semester)
Subject- Operating System-I
Paper- BCA-352

September, 2023 **1st Week** **1 Sept - 2 Sept**	Process Management: Process concept, Process states and Process Control Block.
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Process Scheduling: Scheduling Queues, Schedulers, Context Switch; Operation on Processes: Process Creation, Process Termination; Cooperating Processes
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Introduction to Threads, Inter-process Communication; CPU Scheduling: Basic Concepts, Scheduling Criteria
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Scheduling Algorithms: FCFS, SJF, Priority
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Round-Robin, Multilevel Queue, Multilevel Feedback Queue Scheduling

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Sakshi Aneja
Class- BCA III Year (5th Semester)
Subject- Operating System-I
Paper- BCA-352

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Deadlocks: System Model, Deadlock Characterization, Methods of Handling Deadlocks, Deadlock Prevention
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	Deadlock Avoidance, Deadlock Detection and Recovery, Memory Management: Introduction, Swapping
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Contiguous Allocation: Single-Partition/Multiple Partition Allocation, External/Internal Fragmentation
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Paging: Basic Method, Hardware, Implementation of Page table , Segmentation: Basic Method, Hardware, Implementation of Segment Table
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week **30 Oct – 31 Oct**	Advantages/Disadvantages of Paging/Segmentation.
25 Oct – 4 Nov, 2023	**Sessional Exams**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Sakshi Aneja
Class- BCA III Year (5th Semester)
Subject- Operating System-I
Paper- BCA-352

November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Virtual Memory: Introduction, Demand Paging, Page Replacement, Page Replacement Algorithms: FIFO, Optimal, LRU
10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	Counting; Thrashing and its cause; File Management: File Concepts, File Attributes, File Operations, File Types, File Access/Allocation Methods, File Protection, File Recovery.
19 Nov, 2023	**Sunday**
4th Week **20 Nov - 24 Nov**	Revision of above syllabus
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(September - December)

Name of the Teacher – Ms. Sakshi Aneja
Class-   M.Sc.-I
Subject- Software Engineering
Paper-   MS-15-13

September, 2023 **1st Week** **1 Sept - 2 Sept**	**UNIT-I** Introduction: Software Crisis-problem and causes, Software Processes, Software life cycle models: Waterfall, Prototype.
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Evolutionary and Spiral models, Overview of Quality Standards like ISO 9001, SEI-CMM, CMMI, PCMM, Six Sigma.
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Software Metrics: Size Metrics like LOC, Token Count, Function Count, Design Metrics, Data Structure Metrics, Information Flow Metrics, cyclomatic complexity, Halstead Complexity measures
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	**UNIT-II**
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Software Project Planning: Cost estimation, static, Single and multivariate models, COCOMO model, Putnam Resource Allocation Model.
October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Risk management, project scheduling, personnel planning, team structure, Software configuration management, quality assurance, project monitoring.
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	Software Requirement Analysis and Specifications: Structured Analysis, Data Flow Diagrams, Data Dictionaries
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Entity-Relationship diagrams, Software Requirement and Specifications, Behavioral and non-behavioral requirements.
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Revision of Unit I & II
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**

KVA DAV College for Women, Karnal
Lesson Plan for the Odd Semester, 2023
(September - December)

Name of the Teacher – Ms. Sakshi Aneja
Class-   M.Sc.-I
Subject- Software Engineering
Paper-   MS-15-13

5th Week **30 Oct – 31 Oct**	**UNIT-III** Software Design: Design fundamentals, problem partitioning and abstraction, design methodology
25 Oct – 4 Nov, 2023	Cohesion & Coupling, Function Oriented Design and User Interface Design. Coding: Programming style, structured programming.
November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Software reliability: Metric and specification, Musa and JM reliability model, fault avoidance and tolerance, exception handling, defensive programming.
10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	**UNIT-IV** Software Maintenance: Types of Maintenance, Maintenance Process, Maintenance characteristics, Reverse Engineering, Software Re-engineering.
19 Nov, 2023	**Sunday**
4th Week **20 Nov - 24 Nov**	Software Testing: Functional testing: Boundary Value Analysis, Equivalence class testing, Cause effect graphing, Structural testing.
26 Nov, 2023	**Sunday**
5th Week **27 Nov-30 Nov**	Control flow based and data flow based testing, loop testing, mutation testing, load, stress and performance testing,
1st Week **1 Dec-2 Dec**	Software testing strategies: unit testing, integration testing, System testing, Alpha and Beta testing, debugging.
3 Dec, 2023	**Sunday**
2nd Week **4 Dec-9 Dec**	Static Testing: Formal Technical Reviews, Walk Through, Code Inspection.
10 Dec, 2023	**Sunday**
2nd Week **11 Dec-16 Dec**	Revision of Syllabus & Previous Years Question Papers Discussed
18 Dec Onwards	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Neha Sharma
Class-   M.Sc.-I
Subject- Discrete Mathematics Structures
Paper-   MS-15-14

September, 2023 **1st Week** **1 Sept - 2 Sept**	Set Theory: Basic Set Theory, Operations on Sets, Algebra of sets, Venn Diagrams
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Relations: Binary Relations, Complement of relations, Inverse of relations, Composite relations, Properties,Equivalence,
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Partial Order and Total order relations. Functions: Functions on Set, Domain, Co-domain, Representation of Functions
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Types, Identity and InverseFunctions, Composition of Functions.
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	**On Leave**
October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Unit-2 Counting: Pigeonhole Principle, Inclusion-Exclusion Principle
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	Permutations and Combinations, BinomialCoefficients, Counting Principles.
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Propositional Calculus: Propositional logic, Equivalences, Predicates ,
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Quantifiers, Nested Quantifiers, Rules of Inference, Normal Forms, Proofs: Methods, Strategy.
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Neha Sharma
Class-   M.Sc.-I
Subject- Discrete Mathematics Structures
Paper-   MS-15-14

5th Week **30 Oct – 31 Oct**	**UNIT –III** Advanced Counting Techniques: Recurrence Relations, Solving Recurrence Relations, Divide and Conquer Algorithms and Recurrence Relations,
25 Oct – 4 Nov, 2023	Solving Non-Homogeneous Equations, Total solution
November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Solution of Recurrence Relations by the method of Generating Function.
10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	UNIT –IV Graphs: Introduction, Terminology, Types of Graphs, Representation of Graphs, Paths and Circuits, Cut-set
19 Nov, 2023	**Sunday**
4th Week **20 Nov - 24 Nov**	Cut - Vertices, Graph Isomorphism, Homomorphism, Connectivity, Bipartite Graphs, Subgraphs, Operations on Graphs,
26 Nov, 2023	**Sunday**
5th Week **27 Nov-30 Nov**	Euler and Hamiltonian Graphs, Shortest Path Problem, Planar & Dual Graphs
1st Week **1 Dec-2 Dec**	Graph Coloring. Tree: Tree Notations, Properties of tree
3 Dec, 2023	**Sunday**
2nd Week **4 Dec-9 Dec**	Types of Tree, Operations, Minimum Spanning Tree (MST).
10 Dec, 2023	**Sunday**
2nd Week **11 Dec-16 Dec**	Revision of Syllabus & Previous Years Question Papers Discussed
18 Dec Onwards	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Neha Sharma
Class-   BCA-III
Subject- Web Designing Fundamentals
Paper-   BCA-351

August, 2023 **1st Week** **1 Aug - 5 Aug**	Introduction to Internet and World Wide Web
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Evolution and History of World Wide Web; Basic Features; Web Browsers Web Servers; Hypertext Transfer Protocol; URLs
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Searching and Web- Casting Techniques; Search Engines and Search Tools
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	Revision of Unit-1 Steps for Developing Website
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Domain Names; Internet Service Provider,URL
30 Aug, 2023	**Raksha Bandhan**
September, 2023 **1st Week** **1 Sept - 2 Sept**	Planning and Designing Web Site; Creating a Website; steps to plan website designing,
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Web Publishing, Hosting Site Problems taken from students on Unit-2
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Introduction to HTML; Hypertext and HTML; HTML Document Features;
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	HTML Tags; Header, Title, Body, Paragraph
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	**On Leave**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Neha Sharma
Class-   BCA-III
Subject- Web Designing Fundamentals
Paper-   BCA-351

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Ordered/Unordered Line, Creating Links; Headers; Text Styles
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	Text Structuring; Text Colors and Background; Formatting Text; Page layouts;
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Insertion of Text, Text Formatting Tags,Movement of Text Revision of Unit-III
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Unit-4 Images: Image tag & its attributes
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week **30 Oct – 31 Oct**	Movement of Image, Ordered and Unordered lists; Inserting Graphics; Table Handling Functions like Columns, Rows, Width, Colours
25 Oct – 4 Nov, 2023	**Sessional Exams**
November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Frame Creation tags & its various attributes, Layouts;
10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	Working with Forms and Menus; Working with Buttons like Radio, Check Box;
19 Nov, 2023	**Sunday**
4th Week **20 Nov - 24 Nov**	Revision of Unit-4 Previous Years Question Papers Discussed
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Harbinder Kaur
Class-   BCA-II
Subject- OBJECT ORIENTED PROGRAMMING USING 'C++'
Paper-   BCA-231

August, 2023 **1st Week** **1 Aug - 5 Aug**	UNIT – I Object oriented Programming: Object-Oriented programming features and benefits.
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Object-Oriented features of C++, Class and Objects, Data Hiding & Encapsulation, Structures,
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Data members and Member functions, Scope resolution operator and its significance,
15 Aug, 2023	**Independence Day**
20 Aug, 2023	**Sunday**
4th Week **21 Aug - 26 Aug**	UNIT –II Constructor, Initialization using constructor, types of constructor– Default, Parameterized & Copy Constructors,
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Constructor overloading, Default Values to Parameters, Destructors, Console I/O: Hierarchy of Console Stream Classes,
30 Aug, 2023	**Raksha Bandhan**
September, 2023 **1st Week** **1 Sept - 2 Sept**	Unformatted and Formatted I/O Operations. UNIT – III Manipulators, Friend Function, Friend Class,
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Arrays, Array of Objects, Passing and Returning Objects to Functions, String Handling in C++,
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Dynamic Memory Management: Pointers, new and delete Operator, Array of Pointers to Objects,
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	UNIT – IV Polymorphism: Operators in C++, Precedence and Associativity Rules,
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Operator Overloading, Unary & Binary Operators Overloading, Function Overloading, Inline Functions

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Harbinder Kaur
Class-   BCA-II
Subject- OBJECT ORIENTED PROGRAMMING USING 'C++'
Paper-   BCA-231

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week 3 Oct – 7 Oct	Static Data Members, Static member functions, Nested and Local Class, Accessing Members of Class and Structure.
8 Oct, 2023	**Sunday**
2nd Week 9 Oct - 14 Oct	this Pointer, Passing Parameters to Functions by Reference & pointers
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week 16 Oct - 21 Oct	Scope resolution operator and its significance and related programs.
22 Oct, 2023	**Sunday**
4th Week 23 Oct – 27 Oct	Program to overload unary and various binary operators.
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week 30 Oct – 31 Oct	Revision of Polymorphism
25 Oct – 4 Nov, 2023	**Sessional Exams**
November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week 6 Nov – 9 Nov	Solutions of Previous year Question paper
10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week 17 Nov - 18 Nov	Revision of Unit-4
19 Nov, 2023	**Sunday**
4th Week 20 Nov - 24 Nov	Revision of Unit-4 Previous Years Question Papers Discussed
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal
Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Harbinder Kaur
Class-   BCA-III
Subject- :Programming Using Visual Basic
Paper-   BCA-355

August, 2023 **1st Week** **1 Aug - 5 Aug**	Introduction to VB: Visual & Non-Visual programming, Procedural, Object-Oriented, Object-Based and Event-Driven Programming Languages,
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	VB as Even-Driven and Object-Based Language, VB Environment: Menu bar, Toolbar, Project explorer, Toolbox,
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Properties Window, Form Designer, Form Layout, Immediate window, Default Controls in Tool Box Visual Development and Event Driven programming
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	**UNIT – II** Basics of Programming: Variables: Declaring Variables, Types of variables, Converting Variables Types,
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	User Defined Data Types, Forcing Variable Declaration, Scope & Lifetime of Variables. Constants: Named & Intrinsic,
30 Aug, 2023	**Raksha Bandhan**
September, 2023 **1st Week** **1 Sept - 2 Sept**	Operators: Arithmetic, Relational & Logical operators, Input/output in
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	VB: Various Controls for I/O, Message box, Input Box, Print statement.
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	**UNIT – III** Decision Statements in VB - if statement, if-then-else, select-case; Looping Statements in VB:
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	do-loop,for-next, while-wend; Exit statement, Nested Control Structure; Arrays: Declaring and using Arrays, One-dimensional,
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Two-dimensional and Multi-dimensional Arrays, Static and Dynamic arrays, Array of Arrays.

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Harbinder Kaur
Class-   BCA-III
Subject- : Programming Using Visual Basic
Paper-   BCA-355

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1ˢᵗ Week **3 Oct – 7 Oct**	**UNIT – IV** Procedures: General & Event Procedures, Subroutines, Functions, Calling Procedures,
8 Oct, 2023	**Sunday**
2ⁿᵈ Week **9 Oct - 14 Oct**	Arguments - Passing Mechanisms, Optional Arguments, Named Arguments, Functions Returning Custom Data Types
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3ʳᵈ Week **16 Oct - 21 Oct**	Simple Program Development in VB such as Sum of Numbers, Greatest among Numbers,
22 Oct, 2023	**Sunday**
4ᵗʰ Week **23 Oct – 27 Oct**	Checking Even/Odd Number, HCF of Two Numbers,
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5ᵗʰ Week **30 Oct – 31 Oct**	Generate Prime Numbers, Generate Fibonacci Series, Factorial of a Number,
25 Oct – 4 Nov, 2023	**Sessional Exams**
November, 2023 **1ˢᵗ Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2ⁿᵈ Week **6 Nov – 9 Nov**	Various programs of Searching and Sorting, etc.
10 Nov - 16 Nov , 2023	**Diwali Break**
3ʳᵈ Week **17 Nov - 18 Nov**	Revision of Unit-4
19 Nov, 2023	**Sunday**
4ᵗʰ Week **20 Nov - 24 Nov**	Revision of Unit-4 Previous Years Question Papers Discussed
5ᵗʰ Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Harbinder Kaur
Class-   M.Sc.-I
Subject- DATA STRUCTURES AND ALGORITHMS
Paper-   MS-15-12

September, 2023 **1st Week** **1 Sept - 2 Sept**	Introduction to Data Structures: Classification of Data Structures, Arrays,
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Stacks & Queues: Representation of Stacks, Stack Operations, Applications, Queues, Operations on Queues, Circular Queues, Dequeue, Priority Queues, Applications.
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Linked Lists: Introduction, Types, Operations (Insertion, Deletion, Traversal, Searching, Sorting), Applications,
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Dynamic Memory Management, Implementation of Linked Representations. UNIT-II--- Trees: Definition, Representation of Trees, Types of Tree, Representation of Binary Trees
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Binary Tree Traversals, Threaded Binary Trees, Binary Search Trees and Operations, Minimum Spanning Tree, AVL Trees
October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Heap, m-way Search Trees, B-Trees, B+ Trees, Applications, Advanced Trees: Introduction to 2-3 Tree, Red- black Tree, Splay Trees
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	Graphs: Definitions and Basic Terminologies, Representation of Graphs, Graph Traversals, Shortest Path Problem, Applications.
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Unit-III Introduction to Algorithms: Role of algorithms in computing, Complexity of algorithms, Analyzing algorithms,
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	designing algorithms, asymptotic notations, Divide and Conquer: Complexity of iterative programs and recursive programs
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Harbinder Kaur
Class-   M.Sc.-I
Subject- DATA STRUCTURES AND ALGORITHMS
Paper-   MS-15-12

5th Week **30 Oct – 31 Oct**	solving recurrence equations:back substitution method, recursion tree method, masters theorem.
25 Oct – 4 Nov, 2023	Analysis of heap sort and quick sort; Counting sort, Radix sort, Bucket sort, Lower bounds for sorting
November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Dynamic Programming (DP): Elements of DP, Matrix chain multiplication, Longest common subsequence,
10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	optimal binary search trees. Unit-IV Greedy Techniques (GT): Elements of GT, Activity selection problem, Huffman codes, Knapsack Problem
19 Nov, 2023	**Sunday**
4th Week **20 Nov - 24 Nov**	Graph Algorithms: Single source shortest path: Analysis of Dijkstra's Algorithm, Limitations of Dijkstra'sAlgorithm, Negative weight cycle
26 Nov, 2023	**Sunday**
5th Week **27 Nov-30 Nov**	Bellman-Ford algorithm. All Pairs Shortest Path Relation of Shortest pathand matrix multiplication, Analysis of Floyd Warshall algorithm.
1st Week **1 Dec-2 Dec**	Maximum Flow: Flow network, Ford-Fulkerson method.
3 Dec, 2023	**Sunday**
2nd Week **4 Dec-9 Dec**	Computational complexity: Notion of Polynomial time algorithms, Complexity classes: P, NP, NP-Hard and NP-Complete
10 Dec, 2023	**Sunday**
2nd Week **11 Dec-16 Dec**	Polynomial time verification, Reducibility, NP-Completeness. Revision of Syllabus & Previous Years Question Papers Discussed
18 Dec Onwards	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- B.Sc. III CS+B.A. III CS
Subject- Computers
Paper-I (Fundamentals of Database Systems)

August, 2023 **1st Week** **1 Aug - 5 Aug**	Basic Concepts – Data, Information, Records and files. Traditional file Based Approach
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Limitations of Traditional File Based Approach, Database Approach- Characteristics of Database Approach
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Database Management System (DBMS), Components of DBMS Environment,
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	DBMS Functions and Components, Advantages and Disadvantages of DBMS.
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Actors on the Scene - Data and Database Administrator, Database Designers, End user
30 Aug, 2023	**Raksha Bandhan**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- B.Sc. III CS+B.A. III CS
Subject- Computers
Paper-I (Fundamentals of Database Systems)

September, 2023 **1st Week** **1 Sept - 2 Sept**	Applications Developers and Workers behind the Scene. Database System Architecture – Three Levels of Architecture, Schemas – External, Conceptual and Internal Level,
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Database Languages – VDL, DDL, SDL, DML, SQL, Mappings – External/Conceptual and Conceptual/Internal,
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Instances, Data Independence – Logical and Physical Data Independence
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Data Models: High Level, Low Level and Representational – Records-based Data Models,
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Object-based Data Models, Physical Data Models and Conceptual Models Entity-Relationship Model – Concepts, Entity Types, Entity Sets, Attributes, Relationships,

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- B.Sc. III CS+B.A. III CS
Subject- Computers
Paper-I (Fundamentals of Database Systems)

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Constraints, Keys , Degree, Cardinality etc.
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	ER Diagrams of any Database Organization- Inventory System, Payroll System, Reservation System, Online Book Store etc.
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Classification of Database Management System,
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Centralized and Client Server architecture
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week **30 Oct – 31 Oct**	Relational Data Model:-Brief History, Terminology in Relational Data Structure, Relations,
25 Oct – 4 Nov, 2023	**Sessional Exams**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- B.Sc. III CS+B.A. III CS
Subject- Computers
Paper-I (Fundamentals of Database Systems)

November, 2023 1st Week 1 Nov, 2023 5 Nov, 2023	Haryana Day Sunday
2nd Week 6 Nov – 9 Nov	Properties of Relations, Keys – Primary, Secondary, Composite, Candidate, Alternate and Foreign Key. Domains,
10 Nov - 16 Nov , 2023	Diwali Break
3rd Week 17 Nov - 18 Nov	Integrity Constraints over Relations. Revision
19 Nov, 2023	Sunday
4th Week 20 Nov - 24 Nov	Revision of all Syllabus
5th Week 25 Nov, 2023 Onwards	University Examination

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- B.Sc. III CS+B.A. III CS
Subject- Computers
Paper-II (Web Designing)

August, 2023 1st Week 1 Aug - 5 Aug	Introduction to Internet and World Wide Web; Evolution and History of World Wide Web
6 Aug, 2023	**Sunday**
2nd Week 7 Aug - 12 Aug	Basic Features; Web Browsers; Web Servers;
13 Aug, 2023	**Sunday**
3rd Week 14 Aug-19 Aug	Hypertext Transfer Protocol; URLs;
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week 21 Aug - 26 Aug	Searching and Web-Casting Techniques; Search Engines and Search Tools
27 Aug, 2023	**Sunday**
5th Week 28 Aug - 31Aug	Steps for Developing Website; Choosing the Contents; Home Page
30 Aug, 2023	**Raksha Bandhan**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- B.Sc. III CS+B.A. III CS
Subject- Computers
Paper-II (Web Designing)

September, 2023 **1st Week** **1 Sept - 2 Sept**	Domain Names; Internet Service Provider;
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Planning and Designing Web Site; Creating a Website; Web Publishing: Hosting Site;
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Introduction to HTML; Hypertext and HTML; HTML Document Features; HTML Tags; Header, Title, Body, Paragraph, Ordered/Unordered Line,
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Creating Links;
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Headers; Text Styles; Text Structuring; Text Colors and Background; Formatting Text; Page layouts

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- B.Sc. III CS+B.A. III CS
Subject- Computers
Paper-II (Web Designing)

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week 3 Oct – 7 Oct	Insertion of Text, Movement of Text
8 Oct, 2023	**Sunday**
2nd Week 9 Oct - 14 Oct	Images: Types of Images, Insertion of Image,
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week 16 Oct - 21 Oct	Movement of Image
22 Oct, 2023	**Sunday**
4th Week 23 Oct – 27 Oct	Ordered and Unordered lists, Inserting Graphics;
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week 30 Oct – 31 Oct	Table Handling Functions like Columns, Rows, Width, Colours;
25 Oct – 4 Nov, 2023	**Sessional Exams**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- B.Sc. III CS+B.A. III CS
Subject- Computers
Paper-II (Web Designing)

November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week 6 Nov – 9 Nov	Frame Creation and Layouts, Working with Forms and Menus, Working with Buttons like Radio
10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week 17 Nov - 18 Nov	Working with Buttons like Check Box Revision
19 Nov, 2023	**Sunday**
4th Week 20 Nov - 24 Nov	**Revision of all Syllabus**
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- BCA II
Subject- Computers
Paper-BCA-234 (Software Engineering)

August, 2023 **1st Week** **1 Aug - 5 Aug**	Introduction: Program vs. Software, Software Engineering,
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Programming paradigms, Software Crisis – problem and causes,
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Phases in Software development: Requirement Analysis, Software Design, Coding, Testing,Maintenance
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	Software Development Process Models: Waterfall, Prototype
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Evolutionary and Spiral models, Role of Metrics.
30 Aug, 2023	**Raksha Bandhan**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- BCA II
Subject- Computers
Paper-BCA-234(Software Engineering)

September, 2023 **1st Week** **1 Sept - 2 Sept**	Feasibility Study, Software Requirement Analysis and Specifications: SRS, Need for SRS,
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Characteristics of an SRS, Components of an SRS, Problem Analysis,
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Information gathering tools, Organizing and structuring information,
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Requirement specification, validation and Verification.. SCM
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Structured Analysis and Tools: Data Flow Diagram, Data Dictionary,

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- BCA II
Subject- Computers
Paper-BCA-234(Software Engineering)

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1ˢᵗ Week **3 Oct – 7 Oct**	Decision table, Decision tress, Structured English, Entity-Relationship diagrams,
8 Oct, 2023	**Sunday**
2ⁿᵈ Week **9 Oct - 14 Oct**	Cohesion and Coupling, Gantt chart, PERT Chart,
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3ʳᵈ Week **16 Oct - 21 Oct**	Software Maintenance: Type of maintenance,Management of Maintenance, Maintenance Process, maintenance characteristics.
22 Oct, 2023	**Sunday**
4ᵗʰ Week **23 Oct – 27 Oct**	Software Project Planning: Cost estimation: COCOMO model, Project scheduling
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5ᵗʰ Week **30 Oct – 31 Oct**	Staffing and personnel planning, team structure, Software configuration management, Quality assurance plans,
25 Oct – 4 Nov, 2023	**Sessional Exams**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- BCA II
Subject- Computers
Paper-BCA-234 (Software Engineering)

November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week 6 Nov – 9 Nov	Project monitoring plans, Risk Management. Software testing strategies:, Unit testing, integration testing, Validation testing, System testing
10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week 17 Nov - 18 Nov	Alpha and Beta testing Revision
19 Nov, 2023	**Sunday**
4th Week 20 Nov - 24 Nov	**Revision of all Syllabus**
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- B.Sc.I Physical Sciences (Minor)
Subject- Computers
Paper-Basics of Computer Science

August, 2023 **1st Week** **1 Aug - 5 Aug**	Introduction to Computers: Definition of Computers
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	History and Generations of Computers
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Characteristics of computer
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	Classification of Computers.
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Fundamental Block diagram of Computer: CPU,
30 Aug, 2023	**Raksha Bandhan**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- B.Sc.I Physical Sciences (Minor)
Subject- Computers
Paper-Basics of Computer Science

September, 2023 **1st Week** **1 Sept - 2 Sept**	Input Unit , Output Unit
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Software: Definition of Software, Types of Software-System software
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Application software and Utility software.
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Types of Computer Languages
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Assemblers, Interpreters, Compiler

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- B.Sc.I Physical Sciences (Minor)
Subject- Computers
Paper-Basics of Computer Science

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Introduction to Operating Systems: Types of Operating System, Functions of Operating System.
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	Windows: Introduction to Windows
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Starting Windows, Desk Top, Task Bar, Opening and closing applications, icons- creating, renaming and removing. Date and Time setting,
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Working with files and folders-creating, deleting, opening, finding, copying, moving, and renaming
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week **30 Oct – 31 Oct**	Networking: Concept, Basic Elements of a Communication System, Data Transmission Media, LAN, MAN, WAN.
25 Oct – 4 Nov, 2023	**Sessional Exams**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mamta Atreja
Class- B.Sc.I Physical Sciences (Minor)
Subject- Computers
Paper-Basics of Computer Science

November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Introduction of Internet and WWW, Basic working of a Web Browser,
10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	Introduction to popular web browsers Revision
19 Nov, 2023	**Sunday**
4th Week **20 Nov - 24 Nov**	**Revision of all Syllabus**
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

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

August, 2023 **1st Week** **1 Aug - 5 Aug**	Introduction to Computer Networks and its uses; Network categorization and Hardware; Topologies; Network Software: Protocols, Services
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Network Architecture, Design issues for the layers, OSI Reference model
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	TCP/IP Reference model, Comparison of OSI and TCP/IP Models.
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	Introduction to Example Networks: Internet, ISDN, X.25,
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Frame Relay, ATM.
30 Aug, 2023	**Raksha Bandhan**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

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

September, 2023 **1st Week** **1 Sept - 2 Sept**	Data Communication Model, Digital and Analog data and signals, Asynchronous and Synchronous transmission; bit rate, baud, bandwidth
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Transmission impairment; Channel Capacity; Guided Transmission Media; Wireless transmission; Satellite communication
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Switching; Multiplexing; Spread Spectrum; local loop; Modems and ADSL; Encoding: NRZ, NRZ-I
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Manchester and Differential Manchester encoding; Internet over Cable.
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	ADSL Versus Cable; The Mobile Telephone System.

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

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

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1ˢᵗ Week **3 Oct – 7 Oct**	Medium Access Control: Aloha, CSMA protocols, Collision free protocols, Limited Contention Protocols; Wavelength Division Multiple access protocol,
8 Oct, 2023	**Sunday**
2ⁿᵈ Week **9 Oct - 14 Oct**	Data Link Layer Design issues; Framing, Error Detection and Correction; Flow Control: Sliding Window Protocols;
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3ʳᵈ Week **16 Oct - 21 Oct**	Wireless LAN Protocol: MACA; High Speed LANs; Ethernet LAN,
22 Oct, 2023	**Sunday**
4ᵗʰ Week **23 Oct – 27 Oct**	Fast Ethernet, Gigabit Ethernet; Binary Exponential Backoff algorithm; Token Ring and FDDI; Introduction to Wireless LANs;
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5ᵗʰ Week **30 Oct – 31 Oct**	Network Layer Design issues , Virtual Circuit and Datagram Subnet, Routing Algorithms: Optimality principle
25 Oct – 4 Nov, 2023	**Sessional Exams**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

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

November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Shortest path Routing, Flooding , Distance Vector Routing, Link State Routing, Hierarchical Routing, Broadcast and Multi Cast Routing, Routing for Mobile hosts
10 Nov - 16 Nov , **2023**	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	Congestion Control Algorithms: General Principals; Congestion control in Virtual – Circuit Subnets; Congestion Control in Datagram Subnet, Choke packets, Load Shedding; Random Early Detection, Jitter Control;
19 Nov, 2023	**Sunday**
4th Week **20 Nov - 24 Nov**	Quality of Service: Over provisioning, Buffering, Traffic Shaping, Leaky bucket, token bucket, Resource Reservation, Admission Control, Packet Scheduling.
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Tarjeet Kaur
Class- M.Sc. II Computer Science (3rd Semester)
Subject- Computers
Paper- Advanced Database Systems (MS-15-32)

August, 2023 **1st Week** **1 Aug - 5 Aug**	Database System Concepts and Architecture: Three - Schema Architecture and Data Independence
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	ER Diagrams, Naming conventions and Design Issues. Relational Model Constraints and Relational Database Schemas
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	EER model: Subclasses, Super classes, Inheritance, Specialization and Generalization,
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	Constraints and characteristics of specialization and Generalization
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Object Model: Overview of Object-Oriented concepts, Object identity, Object structure, Type constructors, Encapsulation of operations
30 Aug, 2023	**Raksha Bandhan**
September, 2023 **1st Week** **1 Sept - 2 Sept**	Methods, and Persistence, Type hierarchies and Inheritance, Complex objects.
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Query Processing and Optimization: Using Heuristics in Query Optimization, Semantic Query Optimization
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Database Tuning in Relational Systems.
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Databases for Advance Applications: Architecture for parallel database; Distributed database concepts

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Tarjeet Kaur
Class- M.Sc. II Computer Science (3rd Semester)
Subject- Computers
Paper- Advanced Database Systems (MS-15-32)

23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Data fragmentation, Replication, and allocation techniques,
October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Overview of Client-Server Architecture, Active Database Concept and Triggers,
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	Temporal Databases Concepts, Spatial and Multimedia Databases
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Deductive Databases, XML Schema, Documents and Databases
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Principles of Big Data: Ontologies and Semantics: Classifications,
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week **30 Oct – 31 Oct**	The Simplest of Ontologies, Ontologies, Classes with Multiple Parents
25 Oct – 4 Nov, 2023	**Sessional Exams**
November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Choosing a Class Model. Data Integration and Software Interoperability, Versioning and Compliance Issues

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Tarjeet Kaur
Class- M.Sc. II Computer Science (3rd Semester)
Subject- Computers
Paper- Advanced Database Systems (MS-15-32)

10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	Stepwise Approach to Big Data Analysis, Failures and Legalities
19 Nov, 2023	**Sunday**
4th Week **20 Nov - 24 Nov**	Revision and Practical work on SQL Commands
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Tarjeet Kaur
Class- BCA III (5th Semester)
Subject- Computers
Paper- Computer Networks(BCA -354)

August, 2023 **1st Week** **1 Aug - 5 Aug**	Introduction to Data Communication and Computer Networks; Uses of Computer Networks; Types of Computer Networks and their Topologies
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Network Hardware Components: Connectors,Transceivers, Repeaters, Hubs, Network Interface Cards and PC Cards, Bridges, Switches, Routers, Gateways
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Network Software: Network Design issues and Protocols; Connection-Oriented and Connectionless Services
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	OSI Reference Model; Networking Models: Distributed Systems, Client/Server Model, Peer-to-Peer Model, Web-Based Model and Emerging File-Sharing Model;
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Analog and Digital data and signals; Bandwidth and Data Rate, Capacity, Baud Rate; Transmission Impairment;
30 Aug, 2023	**Raksha Bandhan**
September, 2023 **1st Week** **1 Sept - 2 Sept**	Data Rate Limits; Guided Transmission Media; Wireless Transmission ; Communication Satellites;
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Switching and Multiplexing; Modems and Modulation techniques; ADSL and Cable Modems;
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Data Link Layer Design issues; Error Detection and Correction; Sliding Window Protocols: One-bit, Go Back N and Selective Repeat; Media Access Control:
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	ALOHA, Slotted ALOHA, CSMA, Collision free protocols

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Tarjeet Kaur
Class- BCA III (5th Semester)
Subject- Computers
Paper- Computer Networks(BCA -354)

23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Introduction to LAN technologies: Ethernet, Switched Ethernet, Fast Ethernet, Gigabit Ethernet;
October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Token Ring; Introduction to Wireless LANs and Bluetooth; VLANs
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	Routing Algorithms: Flooding, Shortest Path Routing, Distance Vector Routing; Link State Routing
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Hierarchical Routing; Congestion Control; Traffic shaping; Choke packets; Load shedding
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Elements of Transport Protocols; Network Security Issues
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week **30 Oct – 31 Oct**	Security attacks; Encryption methods; Digital Signature; Digital Certificate
25 Oct – 4 Nov, 2023	**Sessional Exams**
November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Revision of OSI Model

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Tarjeet Kaur
Class- BCA III (5th Semester)
Subject- Computers
Paper- Computer Networks(BCA -354)

10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week 17 Nov - 18 Nov	Revision and Test
19 Nov, 2023	**Sunday**
4th Week 20 Nov - 24 Nov	Revision and Test
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Tarjeet Kaur
Class- BCA II (3rd Semester)
Subject- Computers
Paper- Computer Architecture (BCA -233)

August, 2023 **1st Week** **1 Aug - 5 Aug**	Basic Computer Organisation and Design: Instruction Codes, Computer registers, Computer Instructions
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Timing and Control, Instruction Cycle, Memory reference instructions
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Input-Output and Interrupt, Design of Basic computer, Design of accumulator logic
15 Aug, 2023	**Independence Day**
20 Aug, 2023	**Sunday**
4th Week **21 Aug - 26 Aug**	Register Transfer and Microoperations: Register Transfer Language (RTL), register transfer, Bus and Memory Transfers
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Arithmetic Microoperations, Logic Microoperations, Shift Microoperations, Arithmetic Logic Shift Unit
30 Aug, 2023	**Raksha Bandhan**
September, 2023 **1st Week** **1 Sept - 2 Sept**	Microprogrammed Control: Control memory; address sequencing,
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Microprogram sequencer, Design of Control Unit
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Central Processing Unit: General registers Organization, Stack Organization
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Instruction formats, Addressing Modes, Data Transfer and Manipulation

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Tarjeet Kaur
Class- BCA II (3rd Semester)
Subject- Computers
Paper- Computer Architecture (BCA -233)

23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Program Control, Program Interrupt, RISC, CISC
October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Memory Organization: Memory hierarchy, Auxiliary Memory, Associative Memory
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	Interleaved memory, Cache memory, Virtual Memory, Memory Management Hardware
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Input Output Organization, Peripheral devices , Input-Output Interface
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Asynchronous data transfer, Modes of Transfer,
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week **30 Oct – 31 Oct**	Revision and test of Addressing Modes.
25 Oct – 4 Nov, 2023	**Sessional Exams**
November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Revision of Microprocessor

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Tarjeet Kaur
Class- BCA II (3rd Semester)
Subject- Computers
Paper- Computer Architecture (BCA -233)

10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	Priority Interrupt, Direct Memory Access(DMA),Input-Output Processor(IOP).
19 Nov, 2023	**Sunday**
4th Week **20 Nov - 24 Nov**	Revision and doubt clearing session
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Megha
Class-   BCA II
Subject- Data Structure
Paper-   BCA-232

3rd Week **15 Sept-16 Sept**	Introduction: Elementary data organization, Data Structure definition, data type vs. data structure, Categories of data structure.
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Data structure operations, Applications of data structure, algorithm complexity and time-space tradeoff, Big-O notation. Strings: Introduction, string operations.
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Pattern Matching Algorithm, Arrays: Introduction, Linear arrays, Representation of linear array in memory, Traversal, Insertions, Deletions in array, Multidimensional arrays, Parallel arrays , Sparce matrices.

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Megha
Class-   BCA II
Subject- Data Structure
Paper-   BCA-232

October, 2023 1 Oct , 2023 2 Oct, 2023	Sunday Mahatama Gandhi Jayanti
1st Week 3 Oct – 7 Oct	Linked list: Introduction, Arrays vs. Linked List, Representation of Linked List in memory, Traversal, Insertions, Deletion, Searching in a Linked List, Header Linked list.
8 Oct, 2023	Sunday
2nd Week 9 Oct - 14 Oct	Circular Linked List, Two-way linked list, Garbage collection, Applications of Linked List, Algorithms of Insertion, deletion in array, single linked list.
15 Oct, 2023	Maharaja Agrasen Jayanti, Sunday
3rd Week 16 Oct - 21 Oct	Stacks: Introduction, Arrays and Linked representation of Stacks.
22 Oct, 2023	Sunday
4th Week 23 Oct – 27 Oct	Operations on stacks, Applications of Stacks.
24 Oct, 2023 28 Oct, 2023 29 Oct, 2023	Dussehra Maharishi Valmiki Jayanti Sunday
5th Week 30 Oct – 31 Oct	Polish Notation, Recursion.
25 Oct – 4 Nov, 2023	Sessional Exams

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher –Ms. Megha
Class-   BCA II
Subject- Data Structure
Paper-   BCA-232

November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Queue: Introduction, Array and Linked representation of stacks, operations on queue, Dequeue, priority Queue, Applications of Queues**.**
10 Nov - 16 Nov , **2023**	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	Tree: Introduction, Definition, representing Binary tree in memory, Traversing binary tree, traversal algorithm using stacks and using recursion.
19 Nov, 2023	Sunday
4th Week **20 Nov - 24 Nov**	Graph: Introduction, Graph theory terminology, Seqential and Linked representation of graphs.
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Megha
Class-   BCA I
Subject- Logical Organization of Computer
Paper-   B23-CAP-103

3rd Week **15 Sept-16 Sept**	Number system: Binary, Octal, Hexadecimal, etc, Conversions from one number system to another, BCD number system.
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	BCD Codes: Natural Binary code, Weighted code, Self Complementary code, Cyclic code.
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Error correcting and Correcting codes, character representation :ASCII, EBCDIC and Unicode.

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Megha
Class-   BCA-I
Subject- Logical Organization of Computer
Paper- B23-CAP-103

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1ˢᵗ Week **3 Oct – 7 Oct**	Number Representations: Integer number-sign magnitude , 1's & 2's complement representation, real number normalized ,floating point representation.
8 Oct, 2023	**Sunday**
2ⁿᵈ Week **9 Oct - 14 Oct**	Binary Arithmetic: Binary addition, Binary subtraction, Binary multiplication, Binary division using 1's and 2's compliment representation: Addition and subtraction with BCD representations.
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3ʳᵈ Week **16 Oct - 21 Oct**	Boolean Algebra: Boolean Algebra postulates basic Boolean Theorems, Boolean expressions, Boolean Functions, Truth Tables.
22 Oct, 2023	**Sunday**
4ᵗʰ Week **23 Oct – 27 Oct**	Canonical Representation of Boolean Expressions: SOP and POS, Simplifications of Boolean expression using Boolean Postulates & Theorems.
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5ᵗʰ Week **30 Oct – 31 Oct**	Kaurnaugh –maps (upto four variables) Handling don't care conditions. Logic Gates: Basic Logic Gates: AND, OR, NOT, Universal Gate-NAND, NOR.
25 Oct – 4 Nov, 2023	**Sessional Exams**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher –Ms. Megha
Class- BCA-I
Subject- Logical Organization of Computer
Paper-   B23-CAP-103

November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Other Gates-XOR, XNOR etc, Their symbols, truth tables and Boolean expressions. Combinational Circuits: Design Procedure, Half Adder, Full Adder, Half Subtractor, Full Subtractor, Multiplexer, Demultiplexer, Decoder, Encoder,
10 Nov - 16 Nov , **2023**	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	Comparators, Code converters. Sequential Sequential Circuit: Basic Flip-Flops and their working. Synchronous and Asynchronous Flip-Flops, Triggering of Flip-Flops, Clocked RS,D Type, JK,T type and Master slave Flip-Flops. State table, State Diagram, and state equations
19 Nov, 2023	**Sunday**
4th Week **20 Nov - 24 Nov**	. Flip-flops characteristics & Excitation Tables. Sequential Circuits: Designing register-Serial-In-Serial-Out (SISO),Serial-In-Parallel-Out(SIPO),Parallel-In-Serial-Out(PISO),Parallel-In-Parallel-Out(PIPO) and shift register.
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher –Ms. Megha
Class- B.Sc-I+B.A. -I
Subject- Problem solving through C
Paper-   B23-CSE-101

3rd Week **15 Sept-16 Sept**	Overview of C, History, Importance, Structure of C program, character set, Constants and Variables, Identifiers and Keywords, Data types, Assignment statement**.**
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Symbolic Constant. Input/output: Formatted I/O Function, Input Function viz. Scanf(), getch(), getchar(),gets().
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Output functions viz. printf(), putch(), putchar(), puts().

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Megha
Class-   B.Sc.-I+B.A. -I
Subject- Problem solving through C
Paper-   B23-CSE-101

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1ˢᵗ Week **3 Oct – 7 Oct**	Operators and Expressions: Arithmetic, Relational, Logical, Bitwise, Unary, Assignment, Conditional Operators and Special Operators, Operators Hierarchy, Arithmetic Expressions, Evaluation of Arithmetic Expression.
8 Oct, 2023	**Sunday**
2ⁿᵈ Week **9 Oct - 14 Oct**	Type Casting and Conversion: Decision making with if statement, if-else statement, nested-if statement, else if Ladder, switch and break statement.
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3ʳᵈ Week **16 Oct - 21 Oct**	Goto statement, Looping statement: for, while, and do-while loop, jumps in loop. Arrays: One Dimensional Arrays-Declaration, Initialization and Memory representation.
22 Oct, 2023	**Sunday**
4ᵗʰ Week **23 Oct – 27 Oct**	Functions definition, prototype, function calls, passing arguments to a function: call by value, call by reference, recursive functions. Strings: Declaration and Initialization, String I/O , Arrays of Strings.
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5ᵗʰ Week **30 Oct – 31 Oct**	String Manipulation Functions, string Length, copy, Compare, Concatenate etc., Search for a Substring.
25 Oct – 4 Nov, 2023	**Sessional Exams**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher –Ms. Megha
Class-   B.Sc.-I+B.A. -I
Subject- Problem solving through C
Paper-   B23-CSE-101

November, 2023 **1ˢᵗ Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2ⁿᵈ Week **6 Nov – 9 Nov**	Pointers in C:Declaring and initializing pointers, accessing address and value of variables using pointers, pointers and arrays.
10 Nov - 16 Nov , **2023**	**Diwali Break**
3ʳᵈ Week **17 Nov - 18 Nov**	User Defined data types: Structure-Definition, Advantages of Structure, declaring Structure variables, accessing structure members, Structure member initialization, Array of Structure.
19 Nov, 2023	**Sunday**
4ᵗʰ Week **20 Nov - 24 Nov**	Unions: Union definition, difference between Structure and Union.
5ᵗʰ Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Gurcharan Kaur
Class-   B.Sc. II CS + B.A. II CS (3rd Semester)
Subject- Data Structures
Paper-   PAPER I

August, 2023 **1st Week** **1 Aug - 5 Aug**	Introduction: Elementary data organization, Data Structure definition, Data type vs. data structure
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Categories of data structures, Data structure operations, Applications of data structures
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Algorithms complexity and time-space tradeoff, Big-O notation. Strings: Introduction, strings, String operations, Pattern matching algorithms
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	Arrays: Introduction, Linear arrays, Representation of linear array in memory. **Assignment-I**
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Traversal, Insertions, Deletion in an array, Multidimensional arrays, Parallel arrays, Sparse matrix.
30 Aug, 2023	**Raksha Bandhan**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Gurcharan Kaur
Class-   B.Sc. II CS + B.A. II CS (3rd Semester)
Subject- Data Structures
Paper-   PAPER I

September, 2023 **1st Week** **1 Sept - 2 Sept**	Linked List: Introduction, Array vs. linked list, Representation of linked lists in memory, Traversal
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Searching in a linked list, Header linked list, Circular linked List **Class Test**
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Two-way linked list, Garbage collection, Applications of linked lists. Algorithm of insertion/ deletion in SLL.
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Stack: primitive operation on stack, algorithms for push and pop. Representation of Stack
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Linked List and array, Stacks applications : polish notation, recursion.

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Gurcharan Kaur
Class-   B.Sc. II CS + B.A. II CS (3rd Semester)
Subject- Data Structures
Paper-   PAPER I

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Introduction to queues, Primitive Operations on the Queues, Circular queue, Priority queue, Representation of Queues as Linked List and array **Assignment -II**
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	Applications of queue. Algorithm on insertion and deletion in simple queue and circular queue.
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Trees - Basic Terminology, representation, Binary Trees, Tree Representations using Array &
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Linked List, Basic operation on Binary tree, Traversal of binary trees:- In order, Preorder & post order
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week **30 Oct – 31 Oct**	Applications of Binary tree. Algorithm of tree traversal with and without recursion.
25 Oct – 4 Nov, 2023	**Sessional Exams**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Gurcharan Kaur
Class-   B.Sc. II CS + B.A. II CS (3rd Semester)
Subject- Data Structures
Paper-   PAPER I

November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Introduction to graphs, Definition, Terminology, Directed, Undirected & Weighted graph,
10 Nov - 16 Nov , **2023**	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	Representation of graphs. **Class Test** Test & Revision of all Syllabus
19 Nov, 2023	**Sunday**
4th Week **20 Nov - 24 Nov**	**Revision**
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Gurcharan Kaur
Class-   B.Sc. II CS + B.A. II CS (3rd Semester)
Subject- SOFWTARE ENGINEERING
Paper-   PAPER II

August, 2023 **1st Week** **1 Aug - 5 Aug**	Introduction: Program vs. Software, Software Engineering, Programming paradigms
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Software Crisis – problem and causes
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Phases in Software development: Requirement Analysis, Software Design, Coding, Testing, Maintenance
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	Software Development Process Models: Waterfall, Prototype
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Evolutionary and Spiral models, Role of Metrics. **Assignment-I**
30 Aug, 2023	**Raksha Bandhan**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Gurcharan Kaur
Class-   B.Sc. II CS + B.A. II CS (3rd Semester)
Subject- SOFWTARE ENGINEERING
Paper-   PAPER II

September, 2023 **1st Week** **1 Sept - 2 Sept**	Feasibility Study, Software Requirement Analysis and Specifications: SRS
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Need for SRS, Characteristics of an SRS, Components of an SRS
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Problem Analysis**,** Information gathering tools, Organising and structuring information, Requirement specification, validation and metrics.
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Structured Analysis and Tools: Data Flow Diagram, Data Dictionary, Decision table, Decision trees, Structured English
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Entity-Relationship diagrams .Software Project Planning: Cost estimation: COCOMO model, Project scheduling, Staffing and personnel planning

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Gurcharan Kaur
Class-   B.Sc. II CS + B.A. II CS (3rd Semester)
Subject- SOFWTARE ENGINEERING
Paper-   PAPER II

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Team structure, Software configuration management, Quality assurance plans, Project monitoring plans, Risk Management. **Assignment-II**
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	Software testing strategies: unit testing, integration testing, V and V , System testing, Alpha and Beta testing
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Black box, white box testing. Cyclomatic Complexity
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Software Implementation and Maintenance: Type of maintenance**,** Management of Maintenance, Maintenance Process,.
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week **30 Oct – 31 Oct**	**Class Test**
25 Oct – 4 Nov, 2023	**Sessional Exams**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Gurcharan Kaur
Class-   B.Sc. II CS + B.A. II CS (3rd Semester)
Subject- SOFWTARE ENGINEERING
Paper-   PAPER II

November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Maintenance characteristics
10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	Test & Revision of all Syllabus
19 Nov, 2023	**Sunday**
4th Week **20 Nov - 24 Nov**	**Revision**
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Gurcharan Kaur
Class- BCA-III (5th Semester)
Subject- Computer Science
Paper- BCA-356: Multimedia Tools

August, 2023 **1st Week** **1 Aug - 5 Aug**	Multimedia: Basic Concept, Definition, Components & Applications of Multimedia; Hypermedia and Multimedia;
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Multimedia Hardware and Software; Multimedia Software Tools; Presentation Tools
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Multimedia Authoring: Introduction, Features
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	Types of Authoring Tools: Card or Page-Based, Icon-Based, Time-Based, Object-Oriented; VRML: History, Features
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Images: Graphics/Image Data Types, File Formats; Color Models in Images and Video **Assignment -I**
30 Aug, 2023	**Raksha Bandhan**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Gurcharan Kaur
Class- BCA-III (5th Semester)
Subject- Computer Science
Paper- BCA-356: Multimedia Tools

September, 2023 **1st Week** **1 Sept - 2 Sept**	Video: Introduction, Types of Video Signals; Analog and Digital Video; Analog Video Standards
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	NTSC, PAL, SECA; Digital Video Standards: Chroma Subsampling, CCIR Standards, HDTV
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Digital Audio: Basic Concepts, Analog vs. Digital Audio, Digitization of Sound
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Digital Audio File Formats, MIDI **Class Test**
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Quantization and Transmission of Audio: Coding of Audio

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Gurcharan Kaur
Class- BCA-III (5th Semester)
Subject- Computer Science
Paper- BCA-356: Multimedia Tools

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Pulse Code Modulation; Differential Coding of Audio **Assignment -II**
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	Lossless Predictive Coding; DPCM; DM; ADPCM
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Compression Techniques: Introduction, Types of Data Compression, Run-Length Coding, Variable-Length Coding
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Dictionary-Based Coding, Transform Coding
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week **30 Oct – 31 Oct**	Image and Video Compression Techniques: JPEG Standard for Image Compression; JPEG Mode,
25 Oct – 4 Nov, 2023	**Sessional Exams**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Gurcharan Kaur
Class- BCA-III (5ᵗʰ Semester)
Subject- Computer Science
Paper- BCA-356: Multimedia Tools

November, 2023 **1ˢᵗ Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2ⁿᵈ Week **6 Nov – 9 Nov**	Video Compression Techniques: H.261, H.263, MPEG
10 Nov - 16 Nov , 2023	**Diwali Break**
3ʳᵈ Week **17 Nov - 18 Nov**	Test & Revision of all Syllabus
19 Nov, 2023	**Sunday**
4ᵗʰ Week **20 Nov - 24 Nov**	**Revoision**
5ᵗʰ Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms.Gurcharan Kaur
Class-   BBA-II (3rd Semester)
Subject- Computer Science
Paper-   BBA-205: Fundamentals of DBMS and ORACLE

August, 2023 **1st Week** **1 Aug - 5 Aug**	**Basic Concepts** – Traditional file oriented approach, Disadvantages of simple file system,
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Database approach, Advantages of Database approach, Database Management Systems(DBMS),
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Components of DBMS Environment, Advantages and Disadvantages of DBMS,
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	DBMS Architecture
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Data Independence **Assignment -I**
30 Aug, 2023	**Raksha Bandhan**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms.Gurcharan Kaur
Class-   BBA-II (3rd Semester)
Subject- Computer Science
Paper-   BBA-205: Fundamentals of DBMS and ORACLE

September, 2023 **1st Week** **1 Sept - 2 Sept**	Data Models, Keys.
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	**Computers:** An introduction, use of computer in business, advantages and disadvantages
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Computerized system for inventory control, payroll order, banking and accounting.
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	**SQL using ORACLE:** Introduction to SQL, Components of SQL: DDL, DML & DCL
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Data types in SQL, DDL Commands: Create, Alter, Drop, Truncate. Creating queries with DDL commands

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms.Gurcharan Kaur
Class-   BBA-II (3rd Semester)
Subject- Computer Science
Paper-   BBA-205: Fundamentals of DBMS and ORACLE

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Implementing constraints. DML Commands: Insert, Delete, Update, Select,
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	Select with Group by and Order by. Creating queries with DML commands.
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Operators: Set and Logical
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	SQL functions: Numeric functions **Assignment -II**
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week **30 Oct – 31 Oct**	Scalar functions and Group functions
25 Oct – 4 Nov, 2023	**Sessional Exams**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms.Gurcharan Kaur
Class-   BBA-II (3rd Semester)
Subject- Computer Science
Paper-   BBA-205: Fundamentals of DBMS and ORACLE

November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	**Report-Writing:** Commands, advantages of Report writing..
10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	Test & Revision of all Syllabus
19 Nov, 2023	**Sunday**
4th Week **20 Nov - 24 Nov**	**Revision**
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. LEENA
Class-   M.Sc II
Subject- Computers
Paper-   ADVANCED OPERATING SYSTEMS (MS-15-34)

September, 2023 **1st Week** **1 Sept - 2 Sept**	Introduction to Distributed Systems, Hard ware concepts, Software concepts, Design issues.
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Communication in Distributed Systems, Lay red Protocols, ATM networks, The Client – sever model.
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Remote Procedure call, Group communication.
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Synchronization in Distributed System, Clock Synchronization, Mutual Exclusion, Election algorithms,
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Atomic transactions, Deadlocks in Distributed Systems,Process and processors in Distributed System threads.

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. LEENA
Class-   M.Sc II
Subject- Computers
Paper-   ADVANCED OPERATING SYSTEMS (MS-15-34)

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	System Models, Processors allocation, Scheduling in Distributed System.
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	Fault tolerance, Real time Distributed System.
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Distributed File Systems, Distributed File System Design, Distributed File System implementation.
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Trends inDistributed File System,Distributed Shared Memory, Introduction, What is Shared memory.
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week **30 Oct – 31 Oct**	Consistency models, Page based Distributed Shared memory, Shared – variable Distributed Shared memory.

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. LEENA
Class-   M.Sc II
Subject- Computers
Paper- ADVANCED OPERATING SYSTEMS (MS-15-34)

November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Object based Distributed Shared, Real Time And Mobile Operating Systems.
10 Nov - 16 Nov , **2023**	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	Basic Model of Real Time Systems, Characteristics.
19 Nov, 2023	**Sunday**
4th Week **20 Nov - 25 Nov**	Applications of Real Time Systems, Real Time Task Scheduling, Handling Resource Sharing.
26 Nov, 2023	**Sunday**
5th Week **27 Nov - 30 Nov**	Mobile OperatingSystems, Micro Kernel Design, Client Server Resource Access, Processes and Threads.

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mandeep Kaur
Class-   M.Sc(Software)
Subject- Computers
Paper-   WEB ENGINEERING (MS-15-11)

December, 2023 **1st Week** **1-2 Dec, 2023**	Memory Management
3 Dec, 2023	**Sunday**
2nd Week **4-9 Dec, 2023**	**DOUBT SESSION**
10 Dec, 2023	**Sunday**
3rd Week **10-16 Dec, 2023**	**REVISION**
17 Dec, 2023	**Sunday**
4th Week **18 Dec, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Saumya Arora
Class-   BCA 1st
Subject- Foundations of Computer Science
Paper-   B23-CAP-102

August, 2023 **1st Week** **1 Aug - 5 Aug**	Evolution of Computers through generations, Characteristics of Computers, Strengths and Limitations of Computers.
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Classification of Computers, Functional Components of a Computer System Applications of computers in Various Fields.
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Types of Software: System software, Application software, Utility Software, Shareware, Freeware, Firmware, Free Software.
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	Memory Systems: Concept of bit, byte, word, nibble, storage locations and addresses, measuring units of storage capacity, access time, concept of memory hierarchy.
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Primary Memory - RAM, ROM, PROM, EPROM. Secondary Memory - Types of storage devices, Magnetic Tape, Hard Disk, Optical Disk, Flash Memory.
30 Aug, 2023	**Raksha Bandhan**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Saumya Arora
Class-   BCA 1st
Subject- Foundations of Computer Science
Paper- B23-CAP-102

September, 2023 **1st Week** **1 Sept - 2 Sept**	I/O Ports of a Desk Top Computer, Device Controller, Device Driver. Input Devices: classification and use.
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Keyboard, pointing devices - mouse, touch pad and track ball, joystick, magnetic stripes, scanner, digital camera, and
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Microphone Output Devices: speaker, monitor, printers: classification, laser, ink jet, dot-matrix. Plotter.
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Introduction to Operating System, Definition, Functions, Features of Operating System.
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Icon, Folder, File, Start Button, Task Bar, Status Buttons, Folders, Shortcuts, Recycle Bin.

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Saumya Arora
Class- BCA 1st
Subject- Foundations of Computer Science
Paper- B23-CAP-102

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Desktop, My Computer, My Documents, Windows Explorer, Control Panel
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	The Internet: Introduction to networks and internet, history.
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Internet, Intranet & Extranet, Working of Internet, Modes of Connecting to Internet.
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Electronic Mail: Introduction, advantages and disadvantages, User Ids, Passwords, e-mail addresses.
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week **30 Oct – 31 Oct**	Message components, message composition, mailer features
25 Oct – 4 Nov, 2023	**Sessional Exams**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Saumya Arora
Class- BCA 1st
Subject- Foundations of Computer Science
Paper- B23-CAP-102

November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week 6 Nov – 9 Nov	Browsers and search engines , Threats: Physical & non-physical threats, Virus, Worm, Trojan, Spyware, Keylogers Rootkits, Adware, Cookies, Phishing, Hacking, Cracking.
10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week 17 Nov - 18 Nov	Computer Security Fundamentals: Confidentiality, Integrity, Authentication, Non-Repudiation, Security Mechanisms
19 Nov, 2023	**Sunday**
4th Week 20 Nov - 24 Nov	Security Awareness, Security Policy, anti-virus software & Firewalls, backup & recovery
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Saumya Arora
Class- M.Com IIIrd Semester
Subject- Computer Applications in Business
Paper- MC 301

August, 2023 **1st Week** **1 Aug - 5 Aug**	Introduction to Computer System: Meaning, scope, types of Computers.
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Basic computer organization: Central Processing Unit, input, output, and storage devices
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Introduction to software; System software - operating system, user interface and its types.
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	Application software - word processing, spreadsheets
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	Introduction to databases, tables, queries
30 Aug, 2023	**Raksha Bandhan**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Saumya Arora
Class- M.Com IIIrd Semester
Subject- Computer Applications in Business
Paper-   MC 301

September, 2023 **1st Week** **1 Sept - 2 Sept**	reports and form generation
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Fuzzy Logic and crisp logic.
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Concept of information technology in Business, Network and it's types-LAN, MAN , WAN
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Local Area Network–media & topologies
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Wide Area Networks, Electronic data processing

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Saumya Arora
Class- M.Com IIIrd Semester
Subject- Computer Applications in Business
Paper- MC 301

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Intranet and extranet, concept and evolution;
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	World Wide Web; Multimedia technologies
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Video conferencing, Broadband networks
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Planning and designing web pages .websites, url address,home page
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week **30 Oct – 31 Oct**	Continued Planning and designing web pages .
25 Oct – 4 Nov, 2023	**Sessional Exams**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Saumya Arora
Class- M.Com IIIrd Semester
Subject- Computer Applications in Business
Paper-   MC 301

November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week **6 Nov – 9 Nov**	Working of MS-WORD
10 Nov - 16 Nov , 2023	**Diwali Break**
3rd Week **17 Nov - 18 Nov**	Working of MS-excel.
19 Nov, 2023	**Sunday**
4th Week **20 Nov - 24 Nov**	Working of MS-Powerpoint, MS Access.
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Saumya Arora
Class-   BBA 5th Semester
Subject- Fundamentals of E-Commerce
Paper-   BBA-304

August, 2023 **1st Week** **1 Aug - 5 Aug**	Overview of e-commerce:- Definition, benefits of e-commerce
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Role of internet in e-commerce
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Implications of e-commerce for accounting professionals
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	Regulatory environment:- cryptography issues
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	privacy issues (children's issues, adults rights)
30 Aug, 2023	**Raksha Bandhan**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Saumya Arora
Class-   BBA 5th Semester
Subject- Fundamentals of E-Commerce
Paper- BBA-304

September, 2023 **1st Week** **1 Sept - 2 Sept**	Domain name disputes, Electronic agreements
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Digital signatures, Internet service provider,
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Firewalls, tcp/Ip, OSI Models.
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	Components of firewall, limitations of the security preventions provide by firewalls.
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	EDI e-commerce & internet- traditional EDI systems(origin, non EDI systems)

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Saumya Arora
Class-   BBA 5th Semester
Subject- Fundamentals of E-Commerce
Paper-   BBA-304

October, 2023 1 Oct , 2023 2 Oct, 2023	Sunday Mahatama Gandhi Jayanti
1st Week 3 Oct – 7 Oct	Value added networks, partially & fully integrated EDI systems.
8 Oct, 2023	Sunday
2nd Week 9 Oct - 14 Oct	benefits of EDI systems, financial EDI.
15 Oct, 2023	Maharaja Agrasen Jayanti, Sunday
3rd Week 16 Oct - 21 Oct	EDI systems & internet.
22 Oct, 2023	Sunday
4th Week 23 Oct – 27 Oct	Intelligent agents.
24 Oct, 2023 28 Oct, 2023 29 Oct, 2023	Dussehra Maharishi Valmiki Jayanti Sunday
5th Week 30 Oct – 31 Oct	web based marketing
25 Oct – 4 Nov, 2023	Sessional Exams

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Saumya Arora
Class-   BBA 5th Semester
Subject- Fundamentals of E-Commerce
Paper-   BBA-304

November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week 6 Nov – 9 Nov	risk management paradigm
10 Nov - 16 Nov , **2023**	**Diwali Break**
3rd Week 17 Nov - 18 Nov	role of internet
19 Nov, 2023	**Sunday**
4th Week 20 Nov - 24 Nov	Controls in risk management.
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mandeep Kaur
Class- BCA -I
Subject- Computers
Paper- Problem Solving through C(B23-CAP-101)

August, 2023 **1st Week** **1 Aug - 5 Aug**	Overview of C: History, Importance, Structure of C Program, Character Set, Constants and Variables, Identifiers and Keywords
6 Aug, 2023	**Sunday**
2nd Week **7 Aug - 12 Aug**	Data Types, Assignment Statement, Symbolic Constant. Input/output: Formatted I/O Function-, Input Functions viz. scanf(), getch(), getche(), getchar(), gets()
13 Aug, 2023	**Sunday**
3rd Week **14 Aug-19 Aug**	Output functions viz. printf(), putch(), putchar(), puts(). Operators & Expression: Arithmetic, Relational, Logical, Bitwise, Unary, Assignment, Conditional Operators and Special Operators Operator Hierarchy; Arithmetic Expressions, Evaluation of Arithmetic Expression
15 Aug, 2023 **20 Aug, 2023**	**Independence Day** **Sunday**
4th Week **21 Aug - 26 Aug**	Type Casting and Conversion. Decision making with if statement, ifelse statement,nested if statement, else-if ladder, switch and break statement, goto statement
27 Aug, 2023	**Sunday**
5th Week **28 Aug - 31Aug**	**ASSIGNMENT-1**
30 Aug, 2023	**Raksha Bandhan**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mandeep Kaur
Class-   BCA -I
Subject- Computers
Paper- Problem Solving through C(B23-CAP-101

September, 2023 **1st Week** **1 Sept - 2 Sept**	Arrays: One Dimensional arrays - Declaration, Initialization and Memory representation, Two Dimensional arrays -Declaration, Initialization and Memory representation.
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Functions: definition, prototype, function call, passing arguments to a function: call by value; call by reference, recursive functions.
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Strings: Declaration and Initialization, String I/O, Array of Strings
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	**ASSIGNMENT-2**
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	String Manipulation Functions: String Length, Copy, Compare, Concatenate etc., Search for a Substring.

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mandeep Kaur
Class-   BCA -I
Subject- Computers
Paper- Problem Solving through C(B23-CAP-101

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1ˢᵗ Week **3 Oct – 7 Oct**	Pointers in C: Declaring and initializing pointers, accessing address and value of variables using pointers; Pointers and Arrays.
8 Oct, 2023	**Sunday**
2ⁿᵈ Week **9 Oct - 14 Oct**	Pointers in C: Declaring and initializing pointers, accessing address and value of variables using pointers
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3ʳᵈ Week **16 Oct - 21 Oct**	Pointers and Arrays.
22 Oct, 2023	**Sunday**
4ᵗʰ Week **23 Oct – 27 Oct**	User defined data types: Structures - Definition, Advantages of Structure, declaring structure variables, accessing structure members.
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
25 Oct – 4 Nov, 2023	**Sessional Exams**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mandeep Kaur
Class-   BCA -I
Subject- Computers
Paper-   Problem Solving through C(B23-CAP-101

November, 2023 **1st Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2nd Week 6 Nov – 9 Nov	Structure members initialization, Array of Structures
10 Nov - 16 Nov , **2023**	**Diwali Break**
3rd Week 17 Nov - 18 Nov	Unions - Union definition; difference between Structure and Union.
19 Nov, 2023	**Sunday**
4th Week 20 Nov - 24 Nov	**REVISION & DOUBT SESSION**
5th Week **25 Nov, 2023** **Onwards**	**University Examination**

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mandeep Kaur
Class-   M.Sc(Software)
Subject- Computers
Paper-   WEB ENGINEERING (MS-15-11)

September, 2023 **1st Week** **1 Sept - 2 Sept**	Introduction to Web Engineering: Categories and Characteristics of Web Applications
3 Sept, 2023	**Sunday**
2nd Week **4 Sept - 9 Sept**	Web Applications Vs Conventional Software, Need for an Engineering Approach.Web Essentials: The Internet, Basic Internet Protocols, WWW, HTTP (Structure of Request and Response Messages)
5 Sept, 2023 **7 Sept, 2023** **10 Sept, 2023**	**Talent Show** **Janmastami** **Sunday**
3rd Week **11 Sept-16 Sept**	Web Browser and its functions, URL, Web Servers and their features, Defining Virtual Hosts, Secure Servers.
17 Sept, 2023	**Sunday**
4th Week **18 Sept - 22 Sept**	MarkUp Languages: Introduction to HTML, Characteristics, XHTML Syntax and Semantics
23 Sept, 2023 **24 Sept, 2023** **25 Sept, 2023**	**Shaeedi Divas/Haryana War Heroes' Martyrdom Day** **Sunday** **Annual Prize Distribution Function**
5th Week **26 Sept - 30 Sept**	Fundamental HTML Elements, Lists, Tables, Frames, Forms, XHTML Abstract Syntax, Creating HTML Pages. Cascading Style Sheets: Features, Core Syntax, Types, Style Sheets and HTML, Style Rule Cascading and Inheritance

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mandeep Kaur
Class-   M.Sc(Software)
Subject- Computers
Paper-   WEB ENGINEERING (MS-15-11)

October, 2023 **1 Oct , 2023** **2 Oct, 2023**	**Sunday** **Mahatama Gandhi Jayanti**
1st Week **3 Oct – 7 Oct**	Text Properties, CSS Box Model, Normal Flow Box Layout, Positioning and other useful Style Properties
8 Oct, 2023	**Sunday**
2nd Week **9 Oct - 14 Oct**	Client–Side Programming: Introduction to JavaScript, Perspective, Basic Syntax, Variables and Data types
15 Oct, 2023	**Maharaja Agrasen Jayanti, Sunday**
3rd Week **16 Oct - 21 Oct**	Statements, Operators, Literals, Functions, Objects, Arrays, Built-in Objects, Debuggers
22 Oct, 2023	**Sunday**
4th Week **23 Oct – 27 Oct**	Server-Side Programming: Servlet Architecture, Generating Dynamic Content,
24 Oct, 2023 **28 Oct, 2023** **29 Oct, 2023**	**Dussehra** **Maharishi Valmiki Jayanti** **Sunday**
5th Week **30 Oct – 31 Oct**	Servlet Life Cycle, Sessions, Cookies, URL Rewriting, Servlet Capabilities, Servlets and Concurrency.

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mandeep Kaur
Class- M.Sc(Software)
Subject- Computers
Paper- WEB ENGINEERING (MS-15-11)

November, 2023 **1ˢᵗ Week** **1 Nov, 2023** **5 Nov, 2023**	**Haryana Day** **Sunday**
2ⁿᵈ Week **6 Nov – 9 Nov**	XML: Relation between XML, HTML, SGML, Goals of XML, Structure and Syntax of XML
10 Nov - 16 Nov , 2023	**Diwali Break**
3ʳᵈ Week **17 Nov - 18 Nov**	Well Formed XML, DTD and its Structure, Namespaces and Data Typing in XML
19 Nov, 2023	**Sunday**
4ᵗʰ Week **20 Nov - 25 Nov**	Transforming XML Documents, XPATH
26 Nov, 2023	**Sunday**
5ᵗʰ Week **27 Nov - 30 Nov**	. Template based Transformations, Linking with XML

KVA DAV College for Women, Karnal

Lesson Plan for the Odd Semester, 2023
(August - December)

Name of the Teacher – Ms. Mandeep Kaur
Class-   M.Sc(Software)
Subject- Computers
Paper-   WEB ENGINEERING (MS-15-11)

December, 2023 **1st Week** **1-2 Dec, 2023**	Displaying XML documents in Browsers
3 Dec, 2023	**Sunday**
2nd Week **4-9 Dec, 2023**	**DOUBT SESSION**
10 Dec, 2023	**Sunday**
3rd Week **10-16 Dec, 2023**	**REVISION**
17 Dec, 2023	**Sunday**
4th Week **18 Dec, 2023** **Onwards**	**University Examination**