

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Dr Sakshi Aneja

Class- BCA-6TH SEM

Subject- Operating System-II

Paper- BCA-362

January, 2025 1 st Week 1 Jan – 4 Jan	UNIT – I Process Synchronization: The Critical Section Problem – Single Process/Two Process Solutions;
5 Jan, 2025 6 Jan, 2025	Sunday Shri Guru Gobind Singh Ji Jayanti
2 nd Week 6 Jan – 11 Jan	Semaphores – Types, Implementation, Deadlocks and Starvation; Classical Problems of Synchronization – The Bounded Buffer Problem, The Readers and Writers Problem,
12 Jan, 2025	Sunday
3 rd Week 13 Jan – 18 Jan	The Dining-Philosophers Problem, Critical Regions, Monitors
19 Jan, 2025	Sunday
January, 2025 4 th Week 20 Jan-25 Jan	Directory Structure: Single Level, Two Level, Tree Structures, Acyclic Graph, General Graph;
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Jan	Directory Implementation, Recovery

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Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Dr Sakshi Aneja

Class- BCA-6TH SEM

Subject- Operating System-II

Paper- BCA-362

February, 2025 1 st Week 1 Feb, 2025	UNIT – II Secondary Storage Structure: Disk Structure
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Aug	Disk Scheduling: FCFS, SSTF, SCAN, C-SCAN, LOOK
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	Selection of Disk Scheduling Algorithm; Disk Management; Swap Space Management
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Network Operating Systems: Remote Login, Remote File Transfer; Distributed Operating System: Data Migration,
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Computation Migration, Process Migration UNIT – III Linux: Introduction, Features, Architecture, Distributions
26 Feb, 2025	Maha Shivratri

**KUMARI VIDYAVATI ANAND D.A.V College for Women,
Karnal**

**Lesson Plan for the Even Semester
(January to April, 2025)**

Name of the Teacher – Dr Sakshi Aneja

Class- BCA-6TH SEM

Subject- Operating System-II

Paper- BCA-362

March, 2025 1st Week 1 March, 2025	Accessing Linux System, Login/Logout/Shutting Down,
2 March, 2025	Sunday
2nd Week 3 March – 8 March	Comparison of Linux with other Operating Systems ,Commands in Linux: General-Purpose Commands, File Oriented Commands
3rd Week 9 March - 16 March	Holi Vacations
4th Week 17 March – 22 March	Directory Oriented Commands, Communication Oriented Commands, Process Oriented Commands, Redirection of Input and Output,Pipes
23 March, 2025	Sunday, Shaheedi Diwas/Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5th Week 24 March – 29 March	Sessional Exams
30 March, 2025	Sunday
6th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Dr Sakshi Aneja

Class- BCA-6TH SEM

Subject- Operating System-II

Paper- BCA-362

April, 2025 1 st Week 1 April – 5 April	UNIT – IV Linux File System: Types of Files in Linux, File Attributes, Structure of File System, inode, File
6 April, 2024	Sunday
2 nd Week 7 April - 12 April	Permission, File System Components, Standard File System, File System Types, Disk Related Commands Processes in Linux: Introduction, Job Control in Linux using at, batch, corn & time commands
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday Dr. B.R.Ambedkar Jayanti
3 rd Week 15 April - 19 April	The vi editor: Introduction, Modes of vi Editor, Command in vi Editor Shell Programming: Introduction, Shell Variables, Shell Keywords, Operators,
20 April, 2025	Sunday
4 th Week 21 April - 26 April	Assigning Values to the Variables, I/O in Shell, Control Structures, Creating & Executing Shell Programs in Linux.
27 April, 2025	Sunday
5 th Week 28 April, 2025	Problems taken from students Previous Year Question Papers Discussed
29 April, 2025 30 April, 2025	Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (February to May, 2025)

Name of the Teacher – Dr Sakshi Aneja

Class- BCA-2nd Sem

Subject- Concepts of Operating System

Paper- B23-CAP-203

3rd Week 10 Feb - 15 Feb	Unit-I Introductory Concepts: Operating System, Functions and Characteristics, Historical Evolution of Operating Systems
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4th Week 17 Feb-22 Feb	Operating System Structure. Types of Operating System: Real-time, Multiprogramming, Multiprocessing, Batch processing. Operating System Services, Operating System Interface,
23 Feb, 2025	Sunday
5th Week 24 Feb- 28 Feb	Service System Calls, and System Programs. Process Management: Process Concepts, Operations on Processes, Process States, and Process Control Block. Inter-Process Communication.
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (February to May, 2025)

Name of the Teacher – Dr Sakshi Aneja

Class- BCA-2nd Sem

Subject- Concepts of Operating System

Paper- B23-CAP-203

March, 2025 1 st Week 1 March, 2025	Unit-II CPU Scheduling: Scheduling Criteria
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	Levels of Scheduling, Scheduling Algorithms, Multiple Processor Scheduling, Algorithm Evaluation. Synchronization: Critical Section Problem
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	Semaphores, Classical Problem of Synchronization, Monitors. Deadlocks: Deadlock Characterization,
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	Methods for Handling Deadlocks, Deadlock Prevention, Deadlock Avoidance, Deadlock Detection and Recovery
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (February to May, 2025)

Name of the Teacher – Dr Sakshi Aneja

Class- BCA-2nd Sem

Subject- Concepts of Operating System

Paper- B23-CAP-203

April, 2025 1 st Week 1 April – 5 April	Unit-III Memory Management Strategies: Memory Management of Single-user and Multiuser Operating Systems
6 April, 2024	Sunday, Ram Navmi
2 nd Week 7 April - 12 April	Partitioning, Swapping, Contiguous Memory Allocation, Paging and Segmentation
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3 rd Week 15 April - 19 April	Virtual Memory Management: Demand Paging, Page Replacement Algorithms, Thrashing.
20 April, 2025	Sunday
4 th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (February to May, 2025)

Name of the Teacher – Dr Sakshi Aneja

Class- BCA-2nd Sem

Subject- Concepts of Operating System

Paper- B23-CAP-203

May , 2025 1st Week 1 May - 3 May	Unit-IV Implementing File System: File System Structure, File System Implantation
4 May , 2025	Sunday
2nd Week 5 May – 10 May	File Operations, Type of Files, Directory Implementation, Allocation Methods,
11 May, 2025	Sunday
3rd Week 12 May - 17 May	Free Space Management. Disk Scheduling algorithm - SSTF, Scan
18 May , 2025	Sunday
4th Week 19 May - 24 May	Disk Scheduling algorithm -----C- Scan, Look, C-Look. SSD Management
25 May , 2025	Sunday
5th Week 26 May - 31 May	Problems taken from students Previous years question papers discussed
29 May , 2025	Maharana Partap Jayanti
1 June, 2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Harbinder Kaur

Class- BCA Final

Subject- ADVANCED PROGRAMMING WITH VISUAL BASICS

Paper- BCA-365

January, 2025 1st Week 1 Jan – 4 Jan	Collections: Adding, Removing, Counting, Returning Items in a Collection; Processing a Collection;
5 Jan, 2025 6 Jan, 2025	Sunday Shri Guru Gobind Singh Ji Jayanti
2nd Week 6 Jan – 11 Jan	Working with Forms: Form Properties, Creating a form, Adding a form Various programs discussed Programs VB using Forms
12 Jan, 2025	Sunday
3rd Week 13 Jan – 18 Jan	Working with Forms: Removing Forms in Project, Adding Multiple Forms, Managing Forms at Run Time, Hiding & Showing Forms
19 Jan, 2025	Sunday
January, 2025 4th Week 20 Jan-25 Jan	Load & Unload Statements, Drag and Drop Operation, Activate & Deactivate events, Form-load event, Example using Forms,
26 Jan, 2025	Sunday, Republic Day
5th Week 27 Jan – 31 Jan	UNIT – II Working with Menu: Menu Designing in VB; Adding a Menu to a Form, Modifying and Deleting Menu Items, Adding Access Characters

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Harbinder Kaur

Class- BCA Final

Subject- ADVANCED PROGRAMMING WITH VISUAL BASICS

Paper- BCA-365

February, 2025 1st Week 1 Feb, 2025	Adding Shortcut Keys, Manipulating Menus using Common Dialog Box, Attaching Code to Events, Creating Submenus, Dynamic Menu Appearance
2 Feb, 2025	Sunday, Basant Panchmi
2nd Week 3 Feb – 8 Aug	Advanced Controls in VB: Scroll Bar, Slider Control, Tree View
9 Feb, 2025	Sunday
3rd Week 10 Feb - 15 Feb	List View, Rich Text Box Control, Toolbar, Status Bar, Progress Bar, Cool bar, Image List Program Development in VB using Menus and Advance Controls
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4th Week 17 Feb-22 Feb	File Handling & File Controls: Sequential & Random files, Opening and Closing Data Files, Viewing the Data in a File,
23 Feb, 2025	Sunday
5th Week 24 Feb- 28 Feb	Performing Operations on a File, Creating a Sequential Data File, Writing Data to a Sequential File,
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher –

Class-

Subject-

Paper-

March, 2025 1st Week 1 March, 2025	Reading the Data in a Sequential File, Finding the End of a Data File, Locating a File, Reading and Writing a Random File (get, put, LOF, seek)
2 March, 2025	Sunday
2nd Week 3 March – 8 March	Working with Graphics: Using Paint, Line, Circle, Manipulating Graphics Program Development in VB using Files and Graphics
3rd Week 9 March - 16 March	Holi Vacations
4th Week 17 March – 22 March	Practice of various tool box programs
23 March, 2025	Sunday, Shaheedi Diwas/Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5th Week 24 March – 29 March	Sessional Exams
30 March, 2025	Sunday
6th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher –

Class-

Subject-

Paper-

April, 2025 1st Week 1 April – 5 April	Explain DBMS and its operation and techniques; Accessing Databases: using various methods. Creating the Database, Setting Properties, Applying Operations on Database, Viewing the Database, Updating the Database (adding, deleting records)
6 April, 2024	Sunday
2nd Week 7 April - 12 April	Database connectivity using Data Controls using bounded methods and unbounded methods
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday Dr. B.R.Ambedkar Jayanti
3rd Week 15 April - 19 April	What is DAO (Data Access Object) and its database connectivity , RDO
20 April, 2025	Sunday
4th Week 21 April - 26 April	Explain ActiveX Data Object (ADO) as Control and Reference Program Development in VB using Database and Advance Controls Previous years question papers discussed.
27 April, 2025	Sunday
5th Week 28 April, 2025	Program Development in VB using Database and Advance Controls Previous years question papers discussed.
29 April, 2025 30 April, 2025	Parshuram Jayanti Akshya Tritya

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Lesson Plan for the Even Semester (February to May, 2025)

Name of the Teacher – Harbinder Kaur

Class- BCA-2nd Sem

Subject-Object Oriented Programming using C++

Paper- B23-CAP-201

3 rd Week 10 Feb - 15 Feb	Unit-I Input Output in C++: Unformatted and Formatted I/O Operations. I/O using insertion and extraction operators
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Streams in C++. Functions: Declaration and Definition, return values, arguments, passing parameters by value
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	call by reference, call by pointer, Recursion, Inline Functions,
26 Feb, 2025	Maha Shivratri

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Lesson Plan for the Even Semester (February to May, 2025)

Name of the Teacher – Harbinder Kaur

Class- BCA-2nd Sem

Subject-Object Oriented Programming using C++

Paper- B23-CAP-201

March, 2025 1 st Week 1 March, 2025	Function overloading. Pointers,
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	Structures, and union in C++. Unit-II Object-oriented features of C++: Class and Objects, Data hiding & encapsulation, abstraction,
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	Data Members and Member Functions, accessing class members, empty class, local class, global class, Scope Resolution Operator and its Uses, Static Data Members, Static Member Functions,
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	Structure vs Class, Friend function and friend class. Constructors and Destructors
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

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Name of the Teacher – Harbinder Kaur

Class- BCA-2nd Sem

Subject-Object Oriented Programming using C++

Paper- B23-CAP-201

April, 2025 1 st Week 1 April – 5 April	Constructors, Instantiation of objects, Default constructor, Parameterized constructor, Copy constructor and its use, Destructors, Dynamic initialization of objects.
6 April, 2024	Sunday, Ram Navmi
2 nd Week 7 April - 12 April	Unit-III Operator Overloading: Overloading unary and binary operators: arithmetic operators, manipulation of strings using operators.
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3 rd Week 15 April - 19 April	Inheritance: Derived class, base class, Accessing the base class member,
20 April, 2025	Sunday
4 th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya

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Class- BCA-2nd Sem

Subject-Object Oriented Programming using C++

Paper- B23-CAP-201

May , 2025 1 st Week 1 May - 3 May	Inheritance: multilevel, multiple, hierarchical, hybrid; Virtual base class, Abstract class.
4 May , 2025	Sunday
2 nd Week 5 May – 10 May	Unit-IV Virtual Functions, pure virtual functions; Polymorphism & its types
11 May, 2025	Sunday
3 rd Week 12 May - 17 May	Exception Handling in C++: exception handling model, Exception handling constructs - try, throw, catch,
18 May , 2025 Onwards	Sunday
4 th Week 19 May - 24 May	Order of catch blocks, Catching all exceptions, Nested try blocks,
25 May , 2025	Sunday
5 th Week 26 May - 31 May	handling uncaught exceptions. Problems taken from students Previous years question papers discussed
1 June, 2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – NEHA SHARMA

Class- BCA-6TH SEM

Subject- Web Designing Using Advanced Tools

Paper- BCA-361

January, 2025 1 st Week 1 Jan – 4 Jan	UNIT – I Interactivity Tool - JavaScript: Introduction, Features, Data types, Operators, Statements, Functions,
5 Jan, 2025 6 Jan, 2025	Sunday Shri Guru Gobind Singh Ji Jayanti
2 nd Week 6 Jan – 11 Jan	Event Handling, Use of Predefined Object and Methods, Frames, Windows, Tables, Images, Links
12 Jan, 2025	Sunday
3 rd Week 13 Jan – 18 Jan	Interactivity Tool - VBScript: Introduction, Features, Variables, Data Types, Numeric and Literal Constants,
19 Jan, 2025	Sunday
January, 2025 4 th Week 20 Jan-25 Jan	Arrays, Operators, Subroutine Procedures, Function Procedures, Control Statements,
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Jan	Strings, Message and Input Boxes, Date and Time, Event Handlers, Embedding VBScript in HTML

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Lesson Plan for the Even Semester
(January to April, 2025)

Name of the Teacher – NEHA SHARMA
Class- BCA-6TH SEM
Subject- Web Designing Using Advanced Tools
Paper- BCA-361

February, 2025 1 st Week 1 Feb, 2025	UNIT – II Interactivity Tool - Active Script Pages – Introduction
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Aug	Features of ASP, Client-Server Model, Data Types,
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	Decision Making Statements, Control statements, Use of Various Objects of ASP, Various Techniques of Connecting to Database
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Other Interactivity Tools - Macromedia Flash, Macromedia Dreamweaver, PHP: Basic Introduction and Features
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	UNIT – III DHTML: Introduction, Features, Events, Dynamic Positioning, Layer Object, Properties of STYLE,
26 Feb, 2025	Maha Shivratri

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Karnal**

**Lesson Plan for the Even Semester
(January to April, 2025)**

Name of the Teacher – NEHA SHARMA

Class- BCA-6TH SEM

Subject- Web Designing Using Advanced Tools

Paper- BCA-361

March, 2025 1st Week 1 March, 2025	Dynamic Styles, Inline Styles, Event Handlers; Cascading Style Sheets (CSS): Basic Concepts, Properties, Creating Style Sheets; Common Tasks with CSS: Text, Fonts, Margins, Links, Tables, Colors; Marquee;
2 March, 2025	Sunday
2nd Week 3 March – 8 March	Mouseovers; Filters and Transitions; Adding Links; Adding Tables; Adding Forms;
3rd Week 9 March - 16 March	Holi Vacations
4th Week 17 March – 22 March	Adding Image and Sound; Use of CSS in HTML Documents Linking and Embedding of CSS in HTML Document
23 March, 2025	Sunday, Shaheedi Diwas/Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5th Week 24 March – 29 March	Sessional Exams
30 March, 2025	Sunday
6th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – NEHA SHARMA

Class- BCA-6TH SEM

Subject- Web Designing Using Advanced Tools

Paper- BCA-361

April, 2025 1 st Week 1 April – 5 April	UNIT – IV Microsoft FrontPage: Introduction, Features, Title Bar, Menu bar, FrontPage Tool Bar, Style,
6 April, 2024	Sunday
2 nd Week 7 April - 12 April	Font Face and Formatting Bar, Scroll Bars XML: Introduction, Features, XML Support and Usage, Structure of XML Documents, Structures in XML
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday Dr. B.R.Ambedkar Jayanti
3 rd Week 15 April - 19 April	Creating Document Type Declarations, Flow Objects, Working with Text and Font, Color and Background Properties;
20 April, 2025	Sunday
4 th Week 21 April - 26 April	Previous Year Question Papers Discussed
27 April, 2025	Sunday
5 th Week 28 April, 2025	Problems taken from students
29 April, 2025 30 April, 2025	Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (February to May, 2025)

Name of the Teacher – Neha Sharma

Class- BCA-2nd Sem

Subject- Introduction to Web Technologies

Paper- B23-CAP-202

3rd Week 10 Feb - 15 Feb	Unit-II Creating a Website and Introduction to Markup Languages (HTML and DHTML), HTML Document Features & Fundamentals,
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4th Week 17 Feb-22 Feb	HTML Elements, Creating Links; Headers; Text styles; Text Structuring; Text color and Background; Formatting text; Page layouts,
23 Feb, 2025	Sunday
5th Week 24 Feb- 28 Feb	Images; Ordered and Unordered lists; Inserting Graphics;
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (February to May, 2025)

Name of the Teacher – NEHA SHARMA

Class- BCA-2ND SEM

Subject- Introduction to Web Technologies

Paper- B23-CAP-202

March, 2025 1 st Week 1 March, 2025	Table Creation and Layouts;
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	Frame Creation and Layouts; Working with Forms and Menus; Working with Radio Buttons;
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	Check Boxes; Text Boxes, HTML5 Unit-III Introduction to CSS (Cascading Style Sheets): Features
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	Core Syntax of CSS, Types, Style Sheets and HTML, Style Rule Cascading and Inheritance
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (February to May, 2025)

Name of the Teacher – NEHA SHARMA

Class- BCA-2ND SEM

Subject- Introduction to Web Technologies

Paper- B23-CAP-202

April, 2025 1 st Week 1 April – 5 April	Text Properties, CSS Box Model, Normal Flow Box Layout, Positioning, and other useful Style Properties; Features of CSS3.
6 April, 2024	Sunday, Ram Navmi
2 nd Week 7 April - 12 April	Unit-I Introduction to Internet and World Wide Web (WWW); Evolution and History of World Wide Web, Web Pages and Contents, Web Clients, Web Servers,
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3 rd Week 15 April - 19 April	Web Browsers; Hypertext Transfer Protocol, URLs; Searching, Search Engines and Search Tools. Web Publishing: Hosting website;
20 April, 2025	Sunday
4 th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritiya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (February to May, 2025)

Name of the Teacher – NEHA SHARMA

Class- BCA-2ND SEM

Subject- Introduction to Web Technologies

Paper- B23-CAP-202

May , 2025 1 st Week 1 May - 3 May	Internet Service Provider; Planning and designing website; Web Graphics Design, Steps For Developing website
4 May , 2025	Sunday
2 nd Week 5 May – 10 May	Unit-IV The Nature of JavaScript: Evolution of Scripting Languages, JavaScript-Definition, Programming for Non-Programmers,
11 May, 2025	Sunday
3 rd Week 12 May - 17 May	Introduction to Client–Side Programming,
18 May , 2025	Sunday
4 th Week 19 May - 24 May	Enhancing HTML Documents with JavaScript. Static and Dynamic web pages
25 May , 2025	Sunday
5 th Week 26 May - 31 May	Problems taken from students Previous years question papers discussed
29 May , 2025	Maharana Partap Jayanti
1 June, 2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Mamta Atreja

Class- B.Sc. II Physical Science(Aided+SFS)

Subject- Fundamental of E-commerce

Paper- B23-VOC-231

January, 2025 4 th Week 20 Jan-25 Jan	E-Commerce concept, history.
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Jan	Organizing themes, e-commerce business models.

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Mamta Atreja

Class- B.Sc. II Physical Science(Aided+SFS)

Subject- Fundamental of E-commerce

Paper- B23-VOC-231

February, 2025 1 st Week 1 Feb, 2025	The internet, concept, INTRANET, WWW, TECHNOLOGIES.
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Feb	Building an e-commerce website,
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	E-commerce website design, role of website B2C ecommerce.
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	A Systematic approach, e commerce security environment, and security threads, technology solution.
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Management policies, business procedures, and public laws, website strategies.
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Mamta Atreja

Class- B.Sc. II Physical Science(Aided+SFS)

Subject- Fundamental of E-commerce

Paper- B23-VOC-231

March, 2025 1 st Week 1 March, 2025	Web design principles, push and pull technologies, alternative methods of customer communication
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	E-Marketing, scope and technique, traditional web promotion, web counters
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	web advertisements, issues and technologies,role of social media ,E-commerce customer, strategies for purchasing an support activities,
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	planning for e-commerce and its initiates, pros and cons of online shopping, marketing creating website, electronic publishing issues, approaches and technologies.
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Mamta Atreja

Class- B.Sc. II Physical Science(Aided+SFS)

Subject- Fundamental of E-commerce

Paper- B23-VOC-231

April, 2025 1 st Week 1 April – 5 April	EP and web based EP, Electronic Payment system, electronic billing and payment,.
6 April, 2024	Sunday, Ram Navmi
2 nd Week 7 April - 12 April	Special features required in payment system for ecommerce, e-payment system, Types e-cash, & currency servers, E-cheques,.
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3 rd Week 15 April - 19 April	Credit cards, smart cards, electronic purses and debit cards.
20 April, 2025	Sunday
4 th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Mamta Atreja
Class- B.Sc. II Physical Science(Aided+SFS)
Subject- Fundamental of E-commerce
Paper- B23-VOC-231

May , 2025 1st Week 1 May - 3 May	UPI Payments, e-wallets, Master cards/visa, secure electronic transaction: introduction, business requirements, concepts, payment processing
4 May , 2025	Sunday
2nd Week 5 May – 10 May	Issues in e-commerce, Ethical, social and political issues, Basic ethical concept, analyzing ethical dilemmas, ethical principles, privacy and information rights,
11 May, 2025	Sunday
3rd Week 12 May - 17 May	information collected at e-commerce websites,concept of privacy, legal protections,intellectual property rights types and governance
18 May , 2025	Sunday
4th Week 19 May - 24 May	Revision of all Syllabus.
25 May , 2025	Sunday
5th Week 26 May - 31 May	Revision of all Syllabus.
29 May , 2025	Maharana Partap Jayanti
1 June, 2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Mamta Atreja

Class- B.Sc.III CS+B.A.III CS (VI Semester)

Subject- Relational Data Base Management System

Paper- I

January, 2025 1 st Week 1 Jan – 4 Jan	Relational Model Concepts, Codd's Rules for Relational Model, Hierarchical Data Model–Introduction, Features.
5 Jan, 2025 6 Jan, 2025	Sunday Shri Guru Gobind Singh Ji Jayanti
2 nd Week 6 Jan – 11 Jan	Components, Example, Network Data Model– Introduction, Features, Components, Example,
12 Jan,2025	Sunday
3 rd Week 13 Jan – 18 Jan	Differences between Hierarchical Data Model and Network Data Model.
19 Jan,2025	Sunday
January, 2025 4 th Week 20 Jan-25 Jan	Comparison of Relational Data Model with Hierarchical Data Model and Network Data Model.
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Ja	Relational Algebra:-Selection and Projection, Set Operation, Join and Division.

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher –Ms Mamta Atreja

Class- B.Sc.III CS+B.A.III CS (VI Semester)

Subject- Relational Data Base Management System

Paper- I

February, 2025 1 st Week 1 Feb, 2025	Relational Calculus: Tuple Relational Calculus and Domain Relational Calculus.
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Aug	Functional Dependencies and Normalization -- Purpose, Data Redundancy.
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	Update Anomalies, Partial/Fully Functional Dependencies.
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Transitive Functional Dependencies, Characteristics of Functional Dependencies.
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Decomposition and Normal Forms (1NF, 2NF, 3NF & BCNF).
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Mamta Atreja

Class- B.Sc.III CS+B.A.III CS (VI Semester)

Subject- Relational Data Base Management System

Paper- I

March, 2025 1 st Week 1 March, 2025	SQL: Data Definition and data types, Create Table, Insert Data, Viewing Data, Filtering Table Data.
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	Sorting data, Creating Table from a Table, Destroy table, Update, View, Delete, Join.
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	Concatenating data from Table Specifying Constraints in SQL; Primary Key, Foreign Key, Unique Key, Check Constraint, Using Functions.
23 March, 2025	Sunday, Shaheedi Diwas/Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	Sessional Exams
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Mamta Atreja

Class- B.Sc.III CS+B.A.III CS (VI Semester)

Subject- Relational Data Base Management System

Paper- I

April, 2025 1 st Week 1 April – 5 April	PL/SQL-Introduction, Advantages of PL/SQLThe Generic PL/SQL Block: PL/SQL Execution Environment; PL/SQL Character Set and Data Types.
6 April, 2024	Sunday
2 nd Week 7 April - 12 April	Declaration and Assignment of Variables, Control Structure in PL/SQL: Conditional Control, Iterative Control.
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday Dr. B.R.Ambedkar Jayanti
3 rd Week 15 April - 19 April	Sequential Control
20 April, 2025	Sunday
4 th Week 21 April - 26 April	Revision of all Syllabus
27 April, 2025	Sunday
5 th Week 28 April, 2025	Revision of all Syllabus
29 April, 2025 30 April, 2025	Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Mamta Atreja

Class- B.Sc.III CS+B.A.III CS (VI Semester)

Subject- Computer Networks

Paper- II

January, 2025 1 st Week 1 Jan – 4 Jan	Introduction to Data Communication and Computer Networks; Uses of Computer Networks; Types of Computer Networks and their Topologies.
5 Jan, 2025 6 Jan, 2025	Sunday Shri Guru Gobind Singh Ji Jayanti
2 nd Week 6 Jan – 11 Jan	Network Hardware Components: Connectors, Transceivers, Repeaters, Hubs, Network Interface Cards and PC Cards, Bridges.
12 Jan, 2025	Sunday
3 rd Week 13 Jan – 18 Jan	Switches, Routers, Gateways; Network Software: Network Design issues and Protocols.
19 Jan, 2025	Sunday
January, 2025 4 th Week 20 Jan-25 Jan	Connection-Oriented and Connectionless Services; OSI Reference Model;
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Jan	TCP/IP Model

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Mamta Atreja

Class- B.Sc.III CS+B.A.III CS (VI Semester)

Subject- Computer Networks

Paper- II

February, 2025 1 st Week 1 Feb, 2025	Analog and Digital Communications Concepts: Analog and Digital data and signals.
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Aug	Bandwidth and Data Rate, Capacity, Baud Rate; Guided and Wireless.
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	Transmission Media; Communication Satellites.
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Switching and Multiplexing.
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Modems and modulation techniques.
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Mamta Atreja

Class- B.Sc.III CS+B.A.III CS (VI Semester)

Subject- Computer Networks

Paper- II

March, 2025 1 st Week 1 March, 2025	Data Link Layer Design issues; Error Detection and Correction methods; Sliding Window Protocols: One-bit, Go Back N and Selective Repeat.
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	Media Access Control: ALOHA, Slotted ALOHA, CSMA, Collision free protocols; Introduction to LAN technologies: Ethernet.
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	Switched Ethernet, Fast Ethernet, Gigabit Ethernet; Token Ring; Introduction to Wireless LANs and Bluetooth.
23 March, 2025	Sunday, Shaheedi Diwas/Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	Sessional Exams
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Mamta Atreja

Class- B.Sc.III CS+B.A.III CS (VI Semester)

Subject- Computer Networks

Paper- II

April, 2025 1 st Week 1 April – 5 April	Routing Algorithms: Flooding, Shortest Path Routing, Distance Vector Routing; Link State Routing.
6 April, 2024	Sunday
2 nd Week 7 April - 12 April	Hierarchical Routing; Congestion Control; Traffic shaping; Choke packets; Load shedding; Application Layer: Introduction to DNS, E-Mail and WWW services; Network Security Issues: Security attacks; Encryption methods.
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday Dr. B.R.Ambedkar Jayanti
3 rd Week 15 April - 19 April	Firewalls; Digital Signatures;
20 April, 2025	Sunday
4 th Week 21 April - 26 April	Revision of all Syllabus
27 April, 2025	Sunday
5 th Week 28 April, 2025	Revision of all Syllabus
29 April, 2025 30 April, 2025	Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Mamta Atreja

Class-M.Com II (IV Semester)

Subject- IT and E-Commerce

Paper- MC-401

January, 2025 1 st Week 1 Jan – 4 Jan	Introduction to E-commerce: Meaning of electronic commerce, business applications of e-commerce, comparison with traditional commerce.
5 Jan, 2025 6 Jan, 2025	Sunday Shri Guru Gobind Singh Ji Jayanti
2 nd Week 6 Jan – 11 Jan	Business models in E-commerce –e-shops.
12 Jan,2025	Sunday
3 rd Week 13 Jan – 18 Jan	E-procurement, e-auctions.
19 Jan,2025	Sunday
January, 2025 4 th Week 20 Jan-25 Jan	Value chain integrators, information brokerage.
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Jan	Telecommunication, collaboration platforms, etc.

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Mamta Atreja

Class-M.Com II (IV Semester)

Subject- IT and E-Commerce

Paper- MC-401

February, 2025 1 st Week 1 Feb, 2025	Electronic payment system; E-Banking –concept, operations. Online fund transfer – RTGC, ATM, etc
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Aug	Online share market operations, Online marketing, Web-based advertising – concept, advantages.
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	Types of online advertisements.
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Search engine – as an advertising media, search engine optimisation – concept and techniques.
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Email marketing; Social Networking and marketing – promotion, opinion formulation, etc.
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Mamta Atreja

Class-M.Com II (IV Semester)

Subject- IT and E-Commerce

Paper- MC-401

March, 2025 1 st Week 1 March, 2025	Viral Marketing, E-retailing-concept, advantages, limitations; CRM and Information Technology.
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	Tools to conducting online research – secondary research, online focus groups, web based surveys.
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	Data mining from social networking sites.
23 March, 2025	Sunday, Shaheedi Diwas/Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	Sessional Exams
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Mamta Atreja
Class-M.Com II (IV Semester)
Subject- IT and E-Commerce
Paper- MC-401

April, 2025 1 st Week 1 April – 5 April	Cloud computing – Concept, uses in business.
6 April, 2024	Sunday
2 nd Week 7 April - 12 April	Enterprise Resource Planning; Security issues in e-commerce - Online frauds.
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday Dr. B.R.Ambedkar Jayanti
3 rd Week 15 April - 19 April	Privacy issues; Cyber laws including Information Technology Act.
20 April, 2025	Sunday
4 th Week 21 April - 26 April	Revision of all syllabus
27 April, 2025	Sunday
5 th Week 28 April, 2025	Revision of all syllabus
29 April, 2025 30 April, 2025	Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Megha

Class- B.Sc I+B.A. I

Subject- Web Development

Paper- B23-CSE-201

January, 2025 4 th Week 20 Jan-25 Jan	Introduction to Internet and World Wide Web (WWW); Evolution.
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Jan	History of World Wide Web, Web Pages and Contents, Web Clients,
February, 2025 1 st Week 1 Feb, 2025	Web Servers, Web Browsers; Hypertext Transfer Protocol, URLs; Searching, Search Engines.
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Feb	Search Tools. Web Publishing: Hosting website.
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	Internet Service Provider; Planning and designing website; Web Graphics Design, Steps For Developing website.
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Creating a Website and Introduction to Markup Languages (HTML and DHTML), HTML Document Features & Fundamentals,
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	HTML Elements, Creating Links; Headers; Text styles; Text Structuring; Text colour and Background; Formatting text;
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Megha

Class- B.Sc I+B.A. I

Subject- Web Development

Paper- B23-CSE-201

March, 2025 1 st Week 1 March, 2025	Page layouts, Images; Ordered and Unordered lists;
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	Inserting Graphics; Table Creation and Layouts; Frame Creation and Layouts;
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	Working with Forms and Menus Working with Radio Buttons; Check Boxes; Text Boxes, HTML5.
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	Introduction to CSS (Cascading Style Sheets): Features, Core Syntax, Types Style Sheets and HTML, Style Rule Cascading and Inheritance, Text Properties, CSS Box Model, Normal Flow Box Layout, Positioning, and other useful Style Properties; Features of CSS3.
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Megha

Class- B.Sc I+B.A. I

Subject- Web Development

Paper- B23-CSE-201

April, 2025 1 st Week 1 April – 5 April	The Nature of JavaScript:
6 April, 2024	Sunday, Ram Navmi
2 nd Week 7 April - 12 April	Evolution of Scripting Languages, JavaScript-Definition,
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3 rd Week 15 April - 19 April	Programming for Non-Programmers,
20 April, 2025	Sunday
4 th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Megha

Class- B.Sc I+B.A. I

Subject- Web Development

Paper- B23-CSE-201

May , 2025 1 st Week 1 May - 3 May	Introduction to Client–Side Programming,
4 May , 2025	Sunday
2 nd Week 5 May – 10 May	Enhancing HTML Documents
11 May, 2025	Sunday
3 rd Week 12 May - 17 May	JavaScript.
18 May , 2025	Sunday
4 th Week 19 May - 24 May	Static and Dynamic web pages
25 May , 2025	Sunday
5 th Week 26 May - 31 May	Dynamic web pages.
29 May , 2025	Maharana Partap Jayanti
1 June, 2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Megha

Class- B.Sc I (Minor)

Subject- Programming Methodologies

Paper- B23-CSE-203

January, 2025 4 th Week 20 Jan-25 Jan	Problem Solving: Understanding the problem,
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Jan	Analyzing the problem, and Identifying the solution.
February, 2025 1 st Week 1 Feb, 2025	Tools for Problem-Solving: Flowcharts and its Symbols.
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Feb	Algorithm designing.
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	Examples of Algorithms with flow chart. Decision Table.
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Program: Concept of a program,
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Need for writing programs, Characteristics of a good program,
26 Feb, 2025	Maha Shivratri
March, 2025 1 st Week 1 March, 2025	Programming style, Documentation, and Program Maintenance.
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	Debugging Programs: Syntax Errors, Run-Time Errors, And Logical Errors.
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	Process of conceptualizing a solution to a problem and moving from algorithm to programming
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Megha
Class- B.Sc I (Minor)
Subject- Programming Methodologies
Paper- B23-CSE-203

5 th Week 24 March – 29 March	General Concepts: Clarity and Simplicity of Expressions, Use of proper names for Identifiers, Comments, Indentation; and Documentation.
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr
April, 2025 1 st Week 1 April – 5 April	Programming Constructs: Sequence, Selection, and Iteration;
6 April, 2024	Sunday, Ram Navmi
2 nd Week 7 April - 12 April	Simulation (dry run) of the program for better understanding of algorithm;
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3 rd Week 15 April - 19 April	Comparison.
20 April, 2025	Sunday
4 th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya
May , 2025 1 st Week 1 May - 3 May	Analysis of Algorithms through simulations
4 May , 2025	Sunday
2 nd Week 5 May – 10 May	Methodologies: Structured programming,
11 May, 2025	Sunday
3 rd Week 12 May - 17 May	Top-down approach, Bottom-up approach,
18 May , 2025	Sunday

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Megha
Class- B.Sc I (Minor)
Subject- Programming Methodologies
Paper- B23-CSE-203

4 th Week 19 May - 24 May	Functional programming,
25 May , 2025	Sunday
5 th Week 26 May - 31 May	Modular programming, and Object-oriented programming.
29 May , 2025	Maharana Partap Jayanti
1 June, 2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Megha

Class- BCA-II

Subject- Fundamental of E-commerce

Paper- B23-VOC-231

January, 2025 4 th Week 20 Jan-25 Jan	E-Commerce concept, history.
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Jan	Organizing themes, e-commerce business models.
February, 2025 1 st Week 1 Feb, 2025	The internet, concept, INTRANET, WWW, TECHNOLOGIES.
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Feb	Building an e-commerce website,
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	E-commerce website design, role of website B2C ecommerce.
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	A Systematic approach, e commerce security environment, and security threads, technology solution.
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Management policies, business procedures, and public laws, website strategies.
26 Feb, 2025	Maha Shivratri
March, 2025 1 st Week 1 March, 2025	Web design principles, push and pull technologies, alternative methods of customer communication.
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	E-Marketing, scope and technique, traditional web promotion, web counters
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	web advertisements, issues and technologies, role of social media ,E-commerce customer, strategies for purchasing an support activities,
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Megha
Class- BCA-II
Subject- Fundamental of E-commerce
Paper- B23-VOC-231

5 th Week 24 March – 29 March	planning for e-commerce and its initiatives, pros and cons of online shopping, marketing creating website, electronic publishing issues, approaches and technologies ,.
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr
April, 2025 1 st Week 1 April – 5 April	EP and web based EP, Electronic Payment system, electronic billing and payment,.
6 April, 2024	Sunday, Ram Navmi
2 nd Week 7 April - 12 April	Special features required in payment system for ecommerce, e-payment system, Types e-cash, & currency servers, E-cheques,.
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3 rd Week 15 April - 19 April	Credit cards, smart cards, electronic purses and debit cards.
20 April, 2025	Sunday
4 th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya
May , 2025 1 st Week 1 May - 3 May	UPI Payments, e-wallets, Master cards/visa, secure electronic transaction: introduction, business requirements, concepts, payment processing.
4 May , 2025	Sunday
2 nd Week 5 May – 10 May	Issues in e-commerce, Ethical, social and political issues,,.
11 May, 2025	Sunday
3 rd Week 12 May - 17 May	Basic ethical concept, analyzing ethical dilemmas, ethical principles, privacy and information rights,
18 May , 2025	Sunday

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Megha
Class- BCA-II
Subject- Fundamental of E-commerce
Paper- B23-VOC-231

4 th Week 19 May - 24 May	Information collected at e-commerce websites, concept of privacy.
25 May , 2025	Sunday
5 th Week 26 May - 31 May	legal protections, intellectual property rights types and governance.
29 May , 2025	Maharana Partap Jayanti
1 June, 2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Megha

Class- BCA-III

Subject- Internet Technologies

Paper- BCA-364

January, 2025 1 st Week 1 Jan – 4 Jan	Internet: Introduction; History; Internet Services; TCP/IP: Architecture.
5 Jan, 2025 6 Jan, 2025	Sunday Shri Guru Gobind Singh Ji Jayanti
2 nd Week 6 Jan – 11 Jan	Layers, Protocols; TCP/IP model versus OSI Model; World Wide Web (WWW) - The Client Side, The Server Side, Creating and Searching Information on the Web.
12 Jan, 2025	Sunday
3 rd Week 13 Jan – 18 Jan	Popular Search Engines, URL, HTTP, Web Browsers, Chat & Bulletin Board, USENET.
19 Jan, 2025	Sunday
January, 2025 4 th Week 20 Jan-25 Jan	NNTP (Network News Transfer Protocol); Internet vs. Intranet.
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Jan	TCP, UDP and IP Protocols, Port Numbers; Format of TCP, UDP and IP; IPv4 addressing.
February, 2025 1 st Week 1 Feb, 2025	The need for IPv6; IPv6 addressing and packet format; TCP Services.
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Aug	TCP Connection Management; Remote Procedure Call; IP Address Resolution- DNS; Domain Name Space.
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	DNS Mapping; Recursive and Iterative Resolution; Mapping Internet Addresses to Physical Addresses: ARP, RARP, DHCP; ICMP; IGMP.
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Application Layer: Electronic Mail: Architecture; Protocols - SMTP, MIME, POP.
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	IMAP; Web Based Mail; File Access and Transfer: FTP, Anonymous FTP, TFTP, NFS.
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Megha

Class- BCA-III

Subject- Internet Technologies

Paper- BCA-364

March, 2025 1 st Week 1 March, 2025	Remote Login using TELNET.
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	Voice and Video over IP: RTP, RTCP.
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	IP Telephony and Signaling, RSVP.
23 March, 2025	Sunday, Shaheedi Diwas/Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	Sessional Exams
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr
April, 2025 1 st Week 1 April – 5 April	Routing in Internet: RIP, OSPF, and BGP.
6 April, 2024	Sunday
2 nd Week 7 April - 12 April	Internet Multicasting; Mobile IP; Private Network Interconnection.
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday Dr. B.R.Ambedkar Jayanti
3 rd Week 15 April - 19 April	Network Address Translation (NAT), Virtual Private Network (VPN).
20 April, 2025	Sunday
4 th Week 21 April - 26 April	Internet Management and SNMP.
27 April, 2025	Sunday

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Megha

Class- BCA-III

Subject- Internet Technologies

Paper- BCA-364

5 th Week 28 April, 2025	Internet Security: E-Mail Security; Web Security; Firewall; Introduction to IPsec and SSL.
29 April, 2025 30 April, 2025	Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Megha

Class- B.Sc I(Major)

Subject- Cloud Computing Skills

Paper- Sec

January, 2025 4 th Week 20 Jan-25 Jan	Basic Concepts of Cloud Computing
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Jan	Computer Network Basics.
February, 2025 1 st Week 1 Feb, 2025	Concepts of Distributed Systems Concepts of Cloud Computing and its Necessity.
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Feb	Cloud Service Providers in use and their Significance.
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	Cloud Infrastructure Cloud Pros and Cons. .
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Cloud Delivery Models. Cloud Deployment Models
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Cloud Storage Management Concept of Virtualization
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Megha

Class- B.Sc I(Major)

Subject- Cloud Computing Skills

Paper- Sec

March, 2025 1 st Week 1 March, 2025	Load Balancing.
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	Overview on Virtualization used for Enterprise Solutions
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	Key Challenges in managing Information.
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	Identifying the problems of scale and management in big data .
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Megha

Class- B.Sc I(Major)

Subject- Cloud Computing Skills

Paper- Sec

April, 2025 1 st Week 1 April – 5 April	Building Cloud Networks Designing .
6 April, 2024	Sunday, Ram Navmi
2 nd Week 7 April - 12 April	Implementing a Data Center-Based Cloud .
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3 rd Week 15 April - 19 April	Installing Open Source Cloud service.
20 April, 2025	Sunday
4 th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Megha

Class- B.Sc I(Major)

Subject- Cloud Computing Skills

Paper- Sec

May , 2025 1 st Week 1 May - 3 May	Amazon Web Services (AWS).
4 May , 2025	Sunday
2 nd Week 5 May – 10 May	Google Cloud Platform .
11 May, 2025	Sunday
3 rd Week 12 May - 17 May	Revision of all syllabus
18 May , 2025	Sunday
4 th Week 19 May - 24 May	Revision of all syllabus
25 May , 2025	Sunday
5 th Week 26 May - 31 May	Revision of all syllabus
29 May , 2025	Maharana Partap Jayanti
1 June, 2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Prashantika P Sanduja

Class- BCA II Year (4th Semester)

Subject- Data Structures and Applications

Paper- B23-CAP-401

January, 2025 4th Week 20 Jan-25 Jan	Definition, Data Type vs. Data Structure, Classification of Data Structures, Data Structure Operations, Applications of Data Structures.
26 Jan, 2025	Sunday, Republic Day
5th Week 27 Jan – 31 Jan	Performance Analysis and Measurement (Time and Space Analysis of Algorithms- Average, Best and Worst Case Analysis).

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Prashantika P Sanduja

Class- BCA II Year (4th Semester)

Subject- Data Structures and Applications

Paper- B23-CAP-401

February, 2025 1 st Week 1 Feb, 2025	Introduction, Linear Arrays, Representation of Linear Array in Memory
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Feb	Two Dimensional and Multidimensional Arrays, Sparse Matrix and its Representation, Operations on Array: Algorithm for Traversal, Selection, Insertion, Deletion and its implementation.
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	Revision of Unit I
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Storage of Strings, Operations on Strings viz., Length, Concatenation, Substring, Insertion, Deletion, Replacement, Pattern Matching
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Introduction, Array vs. linked list, Representation of linked lists in Memory, Traversing a Linked List, Insertion, Deletion
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Prashantika P Sanduja

Class- BCA II Year (4th Semester)

Subject- Data Structures and Applications

Paper- B23-CAP-401

March, 2025 1 st Week 1 March, 2025	Searching into a Linked list, Type of Linked List.
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	Array Representation of Stack, Linked List Representation of Stack, Algorithms for Push and Pop, Application of Stack: Polish Notation, Postfix Evaluation Algorithms, Infix to Postfix Conversion, Infix to Prefix Conversion, Recursion.
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	Simple Queue, Double Ended Queue, Circular Queue, Priority Queue, Representation of Queues as Linked List and Array, Applications of Queue. Algorithm on Insertion and Deletion in Simple Queue and Circular Queue. Priority Queues.
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	Revision of Unit II & Unit III
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Prashantika P Sanduja

Class- BCA II Year (4th Semester)

Subject- Data Structures and Applications

Paper- B23-CAP-401

April, 2025 1 st Week 1 April – 5 April	Definitions and Concepts, Representation of Binary Tree, Binary Tree Traversal (Inorder, postorder, preorder), Binary Search Trees – Definition, Operations viz., searching, insertions and deletion;
6 April, 2024	Sunday, Ram Navmi
2 nd Week 7 April - 12 April	Searching and Sorting Techniques, Sorting Techniques: Bubble sort, Merge sort, Selection sort, Quick sort, Insertion Sort. Searching Techniques: Sequential Searching, Binary Searching.
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3 rd Week 15 April - 19 April	Revision of Unit IV
20 April, 2025	Sunday
4 th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritiya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Prashantika P Sanduja

Class- BBA I Year (2nd Semester)

Subject- Cloud Computing Skills

Paper- B23-SEC-201

January, 2025 4 th Week 20 Jan-25 Jan	Basic Concepts of Cloud Computing Computer Network Basics. Concepts of Distributed Systems.
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Jan	Concepts of Cloud Computing and its Necessity. Cloud Service Providers in use and their Significance.

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Prashantika P Sanduja

Class- BBA I Year (2nd Semester)

Subject- Cloud Computing Skills

Paper- B23-SEC-201

February, 2025 1 st Week 1 Feb, 2025	Cloud Infrastructure Cloud Pros and Cons.
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Feb	Cloud Delivery Models.
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	Cloud Deployment Models.
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Cloud Storage Management Concept of Virtualization. Overview on Virtualization used for Enterprise Solutions.
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Key Challenges in managing Information.
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Prashantika P Sanduja

Class- BBA I Year (2nd Semester)

Subject- Cloud Computing Skills

Paper- B23-SEC-201

March, 2025 1 st Week 1 March, 2025	Identifying the problems of scale and management in big data.
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	Load Balancing, Building Cloud Networks Designing
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	Implementing a Data Center-Based Cloud
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	Installing Open Source Cloud service. Amazon Web Services (AWS). Google Cloud Platform.
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Prashantika P Sanduja

Class- BBA I Year (2nd Semester)

Subject- Cloud Computing Skills

Paper- B23-SEC-201

April, 2025 1 st Week 1 April – 5 April	Revision of Unit I
6 April, 2024	Sunday, Ram Navmi
2 nd Week 7 April - 12 April	Revision of Unit II & III
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3 rd Week 15 April - 19 April	Revision of Unit IV
20 April, 2025	Sunday
4 th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Prashantika P Sanduja

Class- M.SC. (CS) I Year (2nd Semester)

Subject- Distributed Operating System

Paper- M24-CSE-204

January, 2025 4 th Week 20 Jan-25 Jan	Definition and Characteristics. Design Goals - Resource Sharing, Transparency, Openness, Scalability. Types of Distributed Systems - High performance distributed computing systems (Cluster Computing, Grid Computing, Cloud Computing)
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Jan	Distributed information systems (Distributed transaction processing, Enterprise application integration), Distributed systems for pervasive computing (ubiquitous computing systems, mobile systems, and sensor networks).

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Prashantika P Sanduja

Class- M.SC. (CS) I Year (2nd Semester)

Subject- Distributed Operating System

Paper- M24-CSE-204

February, 2025 1 st Week 1 Feb, 2025	Layered architecture, Object Based & Service-oriented architecture, Resource-based architecture, Publish subscribe architecture.
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Feb	System Architectures: Client-Server architecture, Multi- Tiered architecture, Peer-to-Peer systems. Middleware and System Models. Layered protocols, Types of Communication, Remote Procedure Call (RPC) – Basic RPC operation, Parameter passing. Remote Method Invocation (RMI), Message-oriented communication.
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	Clock Synchronization – Need for synchronization, Cristian’s algorithm, Berkeley algorithm, Network time protocol. Logical Clocks - Lamport’s timestamps and vector clocks. Mutual Exclusion – Centralized algorithm, Ricart-Agrawala algorithm, Token-based algorithm.
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Revision of Unit I
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Revision of Unit II
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Prashantika P Sanduja

Class- M.SC. (CS) I Year (2nd Semester)

Subject- Distributed Operating System

Paper- M24-CSE-204

March, 2025 1 st Week 1 March, 2025	Election Algorithms: Bully algorithm, Ring algorithm, applications in leader selection.
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	Deadlock Handling: Characteristics of deadlocks in distributed systems, prevention, avoidance, detection and recovery. ACID properties, concurrency control techniques (locking, timestamp ordering).
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	Commit Protocols: Two-phase commit (2PC), three-phase commit (3PC), performance and failure recovery considerations.
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	Scheduling Strategies - Static vs dynamic scheduling, Issues in load distributing, Components of load distributing algorithm, Load distributing algorithms – Sender-Initiated algorithms, Receiver- Initiated algorithms, Symmetrically Initiated algorithms, Adaptive algorithms. Task migration, Issues in Task migration.
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Prashantika P Sanduja

Class- M.SC. (CS) I Year (2nd Semester)

Subject- Distributed Operating System

Paper- M24-CSE-204

April, 2025 1st Week 1 April – 5 April	Classification of failures, Backward and Forward Error Recovery, Approaches of Backward-Error Recovery – Operation-Based approach, State-based approach. Recovery in Concurrent systems, Synchronous and Asynchronous check-pointing and Recovery. Fault Tolerance: Issues, Commit protocols, Nonblocking Commit protocols, Voting protocols.
6 April, 2024	Sunday, Ram Navmi
2nd Week 7 April - 12 April	Revision of Unit III
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3rd Week 15 April - 19 April	Revision of Unit IV
20 April, 2025	Sunday
4th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritiya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher–Ms. Gurcharan Kaur

Class- PGDCA IInd Semester

Subject- Computer Science

Paper- Artificial Intelligence (M24-CAP-204)

2 Feb, 2025	Sunday, BasantPanchmi
2 nd Week 8 Feb	Definition, history, and evolution of AI
9 Feb, 2025	Sunday
3 rd Week 10Feb -15 Feb	Strong AI vs. Weak AI, Applications of AI
12 Feb, 2025 16 Feb, 2025	Guru RavidasJayanti Sunday
4 th Week 17 Feb-22 Feb	Knowledge Representation using logic: Propositional logic: syntax, semantics, truth tables, logical connectives, inference rules, Predicate logic: first-order logic, quantifiers
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	predicates, clausal form and unification; Fuzzy logic: fuzzy sets, membership functions, fuzzy reasoning.
26 Feb, 2025	MahaShivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher–Ms. Gurcharan Kaur

Class- PGDCA IInd Semester

Subject- Computer Science

Paper- Artificial Intelligence (M24-CAP-204)

March,2025 1 st Week 1 March, 2025	Search Techniques: Problem formulation: state space representation, Uninformed Search
2 March,2025	Sunday
2 nd Week 3 March– 8 March	Strategies: Breadth-First Search, Depth-First Search (DFS), Iterative Deepening DFS Assignment I
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March–22 March	Informed Search Strategies: Hill climbing, Best-first search, A* algorithm, admissibility, monotonicity, informedness.
23 March,2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March–29 March	Search in Two-Player Games: Minimax algorithm, Alpha-Beta pruning. Class Test
30 March,2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher–Ms. Gurcharan Kaur

Class- PGDCA IInd Semester

Subject- Computer Science

Paper- Artificial Intelligence (M24-CAP-204)

April,2025 1 st Week 1April –5April	Production Systems: rules, working memory, and control strategies, forward chaining, backward chaining, commutative and non-commutative production systems
6April,2024	Sunday, Ram Navmi
2 nd Week 7April-12April	Expert Systems: Definition and characteristics, Architecture Applications; Genetic Algorithms , Components of GAs Assignment - II
10 April, 2025 13April,2025 14April,2025	MahavirJayanti Sunday, Vaisakhi Dr. B.R.AmbedkarJayanti
3 rd Week 15April -19April	: chromosomes, crossover, mutation selection, replacement, Fitness functions and evolution processes, GA vs. traditional problem solving techniques
20April,2025	Sunday
4 th Week 21April -28April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday ParshuramJayanti AkshyaTritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher–Ms. Gurcharan Kaur

Class- PGDCA IInd Semester

Subject- Computer Science

Paper- Artificial Intelligence (M24-CAP-204)

May,2025 1 st Week 1 May -3 May	Machine Learning (ML): Definition and importance, Types: supervised, unsupervised, reinforcement learning
4May ,2025	Sunday
2 nd Week 5May–10 May	Supervised Learning: Linear regression, Decision Trees, k- Nearest Neighbors (k-NN),
11May,2025	Sunday
3 rd Week 12May-17May	Neural networks : introduction, perceptron, multilayer networks, back-propagation,
18May ,2025	Sunday
4 th Week 19 May - 24 May	Unsupervised Learning : Algorithms: k-Means clustering, Hierarchical clustering, Principal Component Analysis.
25May ,2025	Sunday
5 th Week 26 May - 31 May	Revision of all Syllabus
29May ,2025	MaharanaPartapJayanti
1 June,2025 Onwards	UniversityExaminations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher– Ms. Gurcharan Kaur

Class- BCA IVth Sem 2nd Year

Subject- VAC (B23-VAC-417)

Paper- E-Commerce

2 nd Week 8 Feb	Introduction – Meaning of E –Commerce, Nature, Concepts of E- Commerce
9 Feb, 2025	Sunday
3 rd Week 10Feb -15 Feb	Advantages and reasons for transacting online
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Categories of e-commerce
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Planning Online Business: nature and dynamics of the internet
26 Feb, 2025	MahaShivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher– Ms. Gurcharan Kaur

Class- BCA IVth Sem 2nd Year

Subject- VAC (B23-VAC-417)

Paper- E-Commerce

March,2025 1 st Week 1 March, 2025	pure online vs. brick and click business.
2 March,2025	Sunday
2 nd Week 3 March– 8 March	Revision of Unit I Class Test Technology for Online Business – internet
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March–22 March	IT infrastructure; middleware contents, text and integrating e-business applications
23 March,2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March–29 March	mechanism of making payment through internet: online payment mechanism, electronic payment systems, payment gateways Assignment I
30 March,2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher– Ms. Gurcharan Kaur

Class- BCA IVth Sem 2nd Year

Subject- VAC (B23-VAC-417)

Paper- E-Commerce

April,2025 1 st Week 1April –5April	Applications in e-commerce – e-commerce applications in manufacturing, wholesale
6April,2024	Sunday, Ram Navmi
2 nd Week 7April-12April	Applications in e-commerce – retail and service sector.
10 April, 2025 13April,2025 14April,2025	MahavirJayanti Sunday, Vaisakhi Dr. B.R.AmbedkarJayanti
3 rd Week 15April -19April	Virtual Existence – Concepts, working, advantages and pitfalls of virtual Organizations Assignment II
20April,2025	Sunday
4 th Week 21April -28April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday ParshuramJayanti AkshyaTritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher– Ms. Gurcharan Kaur

Class- BCA IVth Sem 2nd Year

Subject- VAC (B23-VAC-417)

Paper- E-Commerce

May,2025 1 st Week 1 May -3 May	Security in e-commerce: digital signatures, network security, data Encryption secret keys, data encryption.
4May ,2025	Sunday
2 nd Week 5May–10 May	Revision of all Syllabus
1 June,2025 Onwards	UniversityExaminations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher–Ms. Gurcharan Kaur

Class- B.Sc + B.A. (Computer Science) IVth Semester 2nd Year

Subject- Computer Science

Paper- Data Management with DBMS (B23-CSE-401)

2nd Week 8 Feb	Basic Concepts: Data , information, records, files schema and instance etc. Limitations of file- based approach,
9 Feb, 2025	Sunday
3rd Week 10Feb -15 Feb	Characteristics of database approach, data base management system (DBMS) , DBMS Functions and Components, Database Interfaces, Advantages and Disadvantages of DBMS.
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4th Week 17 Feb-22 Feb	Database USERS : Data and Database Administrator , Role and Responsibilities of Database Administrator , Database Designers, Application Developers etc
23 Feb, 2025	Sunday
5th Week 24 Feb- 28 Feb	Database System Architecture: 1- Tier, 2- Tier & Three Levels of Architecture , External, Conceptual and Internal Levels Assignment-I
26 Feb, 2025	MahaShivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May,2025)

Name of the Teacher–Ms. Gurcharan Kaur

Class- B.Sc + B.A. (Computer Science) IVth Semester 2nd Year

Subject- Computer Science

Paper- Data Management with DBMS (B23-CSE-401)

March,2025 1 st Week 1 March, 2025	Schemas, Mappings and Instances, Data Independence- Logical and Physical Data Independence
2 March,2025	Sunday
2 nd Week 3 March– 8 March	Data Models : Hierarchical , Network and Relational Data Models Entity – Relationship Model: Entity, Entity Sets, Entity Type, Attributes: Type of Attributes
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March–22 March	Keys, Integrity Constraints, Designing of ER Diagram, Symbolic Notations for Designing, ER Diagram
23 March,2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March–29 March	SQL Meaning , Purpose, and need of SQL, Data types , SQL Components DDL, DML, DCL , Basic Queries Class Test
30 March,2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher–Ms. Gurcharan Kaur

Class- B.Sc +B.A. (Computer Science) IVth Semester 2nd Year

Subject- Computer Science

Paper- Data Management with DBMS (B23-CSE-401)

April,2025 1 st Week 1April –5April	join operations and Sub-queries views, Specifying indexes, Constraints and its implementation in SQL
6April,2024	Sunday, Ram Navmi
2 nd Week 7April-12April	Relational Algebra: Basic Operations : Select , Project, Join , Union, Intersection, Difference and Cartesian Product Assignment- II
10 April, 2025 13April,2025 14April,2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R.Ambedkar Jayanti
3 rd Week 15April -19April	Relational Calculus: Tuple Relational and Domain Relational Calculus, Relational Algebra Vs. Relational Calculus. Relational Model: Functional Dependency, Characteristics, Inference Rules for Functional Dependency , Types of Functional Dependency,
20April,2025	Sunday
4 th Week 21April -28April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritiya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher–Ms. Gurcharan Kaur

Class- B.Sc +B.A.(Computer Science) IVth Semester 2nd Year

Subject- Computer Science

Paper- Data Management with DBMS (B23-CSE-401)

May,2025 1 st Week 1 May -3 May	Normalization: Benefits and Need of Normalization, Normal Forms based on Primary Keys- (1 NF,2NF
4May ,2025	Sunday
2 nd Week 5May–10 May	3NF,BCNF),Multi-valued Dependencies,4NF,join dependencies, 5NF, Domain Key Normal Form
11May,2025	Sunday
3 rd Week 12May-17May	Revision of all Syllabus

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. Gurcharan Kaur

Class- BCA I (II Semester)

Subject- Computers Science

Paper- SEC(Cloud Computing Skills)

2 nd Week 8 Feb	Basic Concepts of Cloud Computing Computer Network Basics. Concepts of Distributed Systems
9 Feb, 2025	Sunday
3 rd Week 10Feb -15 Feb	Concepts of Cloud Computing and its Necessity. Cloud Service Providers in use and their Significance.
12 Feb, 2025 16 Feb, 2025	Guru RavidasJayanti Sunday
4 th Week 17 Feb-22 Feb	Cloud Infrastructure Cloud Pros and Cons.
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Cloud Delivery Models. Cloud Deployment Models Assignment – I
26 Feb, 2025	MahaShivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. Gurcharan Kaur

Class- BCA I (II Semester)

Subject- Computers Science

Paper- SEC(Cloud Computing Skills)

March,2025 1 st Week 1 March, 2025	Cloud Storage Management Concept of Virtualization and Load Balancing.
2 March,2025	Sunday
2 nd Week 3 March– 8 March	Overview on Virtualization used for Enterprise Solutions.
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March–22 March	Key Challenges in managing Information.
23 March,2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March–29 March	Identifying the problems of scale and management in big data Class Test
30 March,2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. Gurcharan Kaur

Class- BCA I (II Semester)

Subject- Computers Science

Paper- SEC(Cloud Computing Skills)

April,2025 1 st Week 1April –5April	Building Cloud Networks Designing and Implementing a Data Center-Based
6April,2024	Sunday, Ram Navmi
2 nd Week 7April-12April	Cloud Installing Open Source Cloud service
10 April, 2025 13April,2025 14April,2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R.Ambedkar Jayanti
3 rd Week 15April -19April	Amazon Web Services (AWS). Google Cloud Platform. Assignment – II
20April,2025	Sunday
4 th Week 21April -28April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. Gurcharan Kaur

Class- BCA I (II Semester)

Subject- Computers Science

Paper- SEC(Cloud Computing Skills)

May,2025 1 st Week 1 May -3 May	Revision of all syllabus
4May ,2025	Sunday
2 nd Week 5May–10 May	Revision of all syllabus
1 June,2025 Onwards	UniversityExaminations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. Gurcharan Kaur

Class- B.Com I (II Semester)

Subject- Computers Science

Paper- SEC(Cloud Computing Skills)

2nd Week 8 Feb	Basic Concepts of Cloud Computing Computer Network Basics. Concepts of Distributed Systems
9 Feb, 2025	Sunday
3rd Week 10Feb -15 Feb	Concepts of Cloud Computing and its Necessity. Cloud Service Providers in use and their Significance.
12 Feb, 2025 16 Feb, 2025	Guru RavidasJayanti Sunday
4th Week 17 Feb-22 Feb	Cloud Infrastructure Cloud Pros and Cons.
23 Feb, 2025	Sunday
5th Week 24 Feb- 28 Feb	Cloud Delivery Models. Cloud Deployment Models Assignment – I
26 Feb, 2025	MahaShivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. Gurcharan Kaur

Class- B.Com I (II Semester)

Subject- Computers Science

Paper- SEC(Cloud Computing Skills)

March,2025 1 st Week 1 March, 2025	Cloud Storage Management Concept of Virtualization and Load Balancing.
2 March,2025	Sunday
2 nd Week 3 March– 8 March	Overview on Virtualization used for Enterprise Solutions.
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March–22 March	Key Challenges in managing Information.
23 March,2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March–29 March	Identifying the problems of scale and management in big data Class Test
30 March,2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. Gurcharan Kaur

Class- B.Com I (II Semester)

Subject- Computers Science

Paper- SEC(Cloud Computing Skills)

April,2025 1 st Week 1April –5April	Building Cloud Networks Designing and Implementing a Data Center-Based
6April,2024	Sunday, Ram Navmi
2 nd Week 7April-12April	Cloud Installing Open Source Cloud service
10 April, 2025 13April,2025 14April,2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R.Ambedkar Jayanti
3 rd Week 15April -19April	Amazon Web Services (AWS). Google Cloud Platform. Assignment – II
20April,2025	Sunday
4 th Week 21April -28April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. Gurcharan Kaur

Class- B.Com I(II Semester)

Subject- Computers Science

Paper- SEC(Cloud Computing Skills)

May,2025 1 st Week 1 May -3 May	Revision of all syllabus
4May ,2025	Sunday
2 nd Week 5May–10 May	Revision of all syllabus
1 June,2025 Onwards	UniversityExaminations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. LEENA

Class- M. Sc. I

Subject- Advanced Web Technologies

Paper- M24-CSE-201

January, 2025 4th Week 20 Jan-25 Jan	Basics of Front End Development: Overview of web development (Front End vs. Back End).
26 Jan, 2025	Sunday, Republic Day
5th Week 27 Jan – 31 Jan	Understanding the MERN stack and its components, Tools and environments (text editors, browsers, version control with Git).

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. LEENA

Class- M. Sc. I

Subject- Advanced Web Technologies

Paper- M24-CSE-201

February, 2025 1 st Week 1 Feb, 2025	Basics of JavaScript: Introduction to JavaScript, Variables, data types, and operators, Control structures (if, else, switch, loops); Functions and Scope.
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Feb	Defining and invoking functions, Function expressions and arrow functions, Scope and closures; Objects and Arrays.
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	Creating and manipulating objects, Array methods and iteration; Event handling Introduction to React: Overview and advantages of React, Setting up a React development environment (using Create React App).
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	JSX (JavaScript XML): Understanding JSX syntax, Embedding expressions in JS, JSX best practices; Components and Props: Functional and class components.
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Props and component communication, Prop types and default props.; State and Lifecycle: Understanding state in React, State management in class components.
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. LEENA

Class- M. Sc. I

Subject- Advanced Web Technologies

Paper- M24-CSE-201

March, 2025 1st Week 1 March, 2025	Lifecycle methods (component Did Mount, component Did Update, component Will Unmount); Event Handling and Forms.
2 March, 2025	Sunday
2nd Week 3 March – 8 March	Introduction to Node JS: Node JS process model, Advantages, Traditional web server model.
3rd Week 9 March - 16 March	Holi Vacations
4th Week 17 March – 22 March	Setup Install Node.js on windows, REPL, Node JS console, Node JS modules.
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5th Week 24 March – 29 March	Events: Event Emitter class, inheriting events, Node Package Manager, Building Web Servers.
30 March, 2025	Sunday
6th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. LEENA

Class- M. Sc. I

Subject- Advanced Web Technologies

Paper- M24-CSE-201

April, 2025 1 st Week 1 April – 5 April	Creating a basic HTTP server, Handling HTTP requests and responses, Understanding request methods (GET, POST, PUT, DELETE).
6 April, 2024	Sunday, Ram Navmi
2 nd Week 7 April - 12 April	Express.js Basics: Introduction to Express.js, Setting up Express projects, Understanding routing and middleware.
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3 rd Week 15 April - 19 April	Using template engines (e.g., EJS) for server-side rendering, Designing RESTful APIs.
20 April, 2025	Sunday
4 th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. LEENA

Class- M. Sc. I

Subject- Advanced Web Technologies

Paper- M24-CSE-201

May , 2025 1st Week 1 May - 3 May	CRUD operations, Structuring API routes. Built-in middleware (e.g., body-parser), Creating custom middleware, Error handling middleware. User authentication using JWT (JSON Web Tokens) and sessions.
4 May , 2025	Sunday
2nd Week 5 May – 10 May	Built-in middleware (e.g., body-parser), Creating custom middleware, Error handling middleware. User authentication using JWT (JSON Web Tokens) and sessions.
11 May, 2025	Sunday
3rd Week 12 May - 17 May	Revision
18 May , 2025	Sunday
4th Week 19 May ,2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. LEENA

Class- M. Sc. I

Subject- Advanced Database Systems

Paper- M24-CSE-203

January, 2025 4th Week 20 Jan-25 Jan	Database Systems Concepts and Architecture: DBMS architecture and Data Independence, Entity Relationship Model.
26 Jan, 2025	Sunday, Republic Day
5th Week 27 Jan – 31 Jan	Entity Types, Entity Sets, Attributes & keys, Relationships Types & Instances, E-R Diagrams.

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. LEENA

Class- M. Sc. I

Subject- Advanced Database Systems

Paper- M24-CSE-203

February, 2025 1st Week 1 Feb, 2025	Design of an E-R Database Schema. The Enhanced Entity-Relationship (EER) Model.
2 Feb, 2025	Sunday, Basant Panchmi
2nd Week 3 Feb – 8 Feb	Defining and Subclasses, Super classes, Inheritance, Specialization and Generalization.
9 Feb, 2025	Sunday
3rd Week 10 Feb - 15 Feb	SQL: Data Definition and Data Types, DDL, DML, and DCL, Views & Queries in SQL.
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4th Week 17 Feb-22 Feb	Specifying Constraints & Indexes in SQL. PL/SQL: Architecture of PL/SQL, Basic Elements of PL/SQL, PL/SQL Transactions.
23 Feb, 2025	Sunday
5th Week 24 Feb- 28 Feb	Cursors and Triggers. Relational Database Design: Functional Dependencies, Normal Forms Based on Primary Keys- (1NF, 2NF, 3NF, BCNF).
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. LEENA

Class- M. Sc. I

Subject- Advanced Database Systems

Paper- M24-CSE-203

March, 2025 1 st Week 1 March, 2025	Multi-valued Dependencies, 4 NF, Join dependencies, 5 NF, Domain Key Normal Form.
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	Query Processing and Optimization, Transaction Processing: Introduction to Transaction Processing. Transaction and System Concepts.
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	, Desirable Properties of Transactions, Concurrency Control Techniques: Two-Phase Locking Techniques,
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	Timestamp Ordering, Serializability. Database Backup and Recovery: Recovery facilities, Recovery Techniques.
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. LEENA

Class- M. Sc. I

Subject- Advanced Database Systems

Paper- M24-CSE-203

April, 2025 1st Week 1 April – 5 April	Databases for Advance Applications: Architecture for Parallel Database and Distributed Database.
6 April, 2024	Sunday, Ram Navmi
2nd Week 7 April - 12 April	Active Database Concept and Triggers.
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3rd Week 15 April - 19 April	Temporal Databases Concepts, Spatial and Multimedia Databases,
20 April, 2025	Sunday
4th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. LEENA

Class- M. Sc. I

Subject- Advanced Database Systems

Paper- M24-CSE-203

May , 2025 1st Week 1 May - 3 May	Deductive Databases, Geographical Information System, Mobile Databases.
4 May , 2025	Sunday
2nd Week 5 May – 10 May	Web Databases, XML Schema, Object- Based Databases, OLTP Vs OLAP.
11 May, 2025	Sunday
3rd Week 12 May - 17 May	Revision
18 May , 2025	Sunday
4th Week 19 May ,2025 Onwards	University Examinations

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. LEENA

Class- M. Sc. II

Subject- SECURITY IN COMPUTING

Paper- MS-15-44(IV)

January, 2025 4th Week 20 Jan-25 Jan	Computer Security Concepts, Threats, Attacks and Assets, Security Functional Requirements.
26 Jan, 2025	Sunday, Republic Day
5th Week 27 Jan – 31 Jan	Security Architecture and Scope of Computer Security, Computer Security Trends.

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. LEENA

Class- M. Sc. II

Subject- SECURITY IN COMPUTING

Paper- MS-15-44(IV)

February, 2025 1 st Week 1 Feb, 2025	Computer Security Strategies. Program Security: Secure Program, Non-malicious Program Error.
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Feb	Viruses and other Malicious Code, Targeted Malicious Code, Control against Program Threats.
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	Database Security: Database Management System, Relational Databases, Database Access Control.
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Inference, Security Requirements, Reliability and Integrity, Sensitive Data, Database Encryption. Network Security: Threats in Network.
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Network Security Controls, Firewall- Need for firewall, Characteristics, Types of firewall, Firewall Basing, Intrusion Detection System- Types, Goals of IDS, IDS strengths and Limitations.
26 Feb, 2025	Maha Shivratri

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. LEENA

Class- M. Sc. II

Subject- SECURITY IN COMPUTING

Paper- MS-15-44(IV)

March, 2025 1st Week 1 March, 2025	Internet Security Protocols and Standards: Secure Socket Layer (SSL) and Transport Layer Security (TLS).
2 March, 2025	Sunday
2nd Week 3 March – 8 March	IPv4 and IPv6 Security, Kerberos 672, X.509 678, Public Key Infrastructure. Linux Security Model, File System Security, Linux Vulnerability.
3rd Week 9 March - 16 March	Holi Vacations
4th Week 17 March – 22 March	Linux System Hardening, Application Security. Window Security Architecture.
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5th Week 24 March – 29 March	Windows Vulnerability, Windows Security Defense, Browser Defenses.
30 March, 2025	Sunday
6th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. LEENA

Class- M. Sc. II

Subject- SECURITY IN COMPUTING

Paper- MS-15-44(IV)

April, 2025 1st Week 1 April – 5 April	Physical Security Threats, Physical Security Prevention and Mitigation Measures, Recovery form Physical Security Breaches.
6 April, 2024	Sunday, Ram Navmi
2nd Week 7 April - 12 April	Security Auditing Architecture, Security Audit Trail, Security Risk assessment, Security.
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3rd Week 15 April - 19 April	Controls or Safeguard, IT Security Plan,
20 April, 2025	Sunday
4th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms. LEENA

Class- M. Sc. II

Subject- SECURITY IN COMPUTING

Paper- MS-15-44(IV)

May , 2025 1st Week 1 May - 3 May	Cybercrime and Computer Crime.
4 May , 2025	Sunday
2nd Week 5 May – 10 May	Intellectual Property, Privacy, Ethical Issues.
11 May, 2025	Sunday
3rd Week 12 May - 17 May	Revision
18 May , 2025	Sunday
4th Week 19 May ,2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher—Ms. Mandeep Kaur
Class-BCA II Year (4th sem)
Subject-Computer Science
Paper- Front-end Development (B23-CAP-402)

February, 2025 1 st Week 1 Feb, 2025	Objects in JavaScript: Introduction to objects, Type of objects in JavaScript
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Feb	Creating objects, Object methods, Constructor function
9 Feb, 2025	Sunday
3 rd Week 10Feb -15 Feb	Prototype in JavaScript, Inheritance using prototype chain
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Regular Expressions: Introduction to RegExp, Regular expression usage, Modifiers
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Reg Exp patterns, Reg Exp methods, String methods for Reg Exp, Type conversion in JavaScript
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher–Ms. Mandeep Kaur

Class-BCA II Year (4th sem)

Subject-Computer Science

Paper- Front-end Development (B23-CAP-402)

March,2025 1 st Week 1 March, 2025	Event handling: JavaScript events, Event handler, Event flow,
2 March,2025	Sunday
2 nd Week 3 March– 8 March	Event bubbling and capturing, Event listeners, Event types.
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March–22 March	Document Object Model (DOM): Introduction to DOM, Types of DOM, DOM standards and methods, Manipulating documents using DOM, Handling images,
23 March,2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March–29 March	Table manipulation, Animation, Node and Node-list handling
30 March,2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher–Ms. Mandeep Kaur

Class-BCA II Year (4th sem)

Subject-Computer Science

Paper- Front-end Development (B23-CAP-402)

April,2025 1 st Week 1April –5April	Browser Object Model (BOM): Introduction to BOM, DOM vs BOM differences,
6April,2024	Sunday, Ram Navmi
2 nd Week 7April-12April	Window object and methods, BOM navigator, BOM history, BOM location, BOM timer,
10 April, 2025 13April,2025 14April,2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3 rd Week 15April -19April	Introduction to Cookies, Session and persistent cookies Form Handling: Introduction to forms, Form processing, Forms object,
20April,2025	Sunday
4 th Week 21April -28April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti AkshyaTritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher–Ms. Mandeep Kaur

Class-BCA II Year (4th sem)

Subject-Computer Science

Paper- Front-end Development (B23-CAP-402)

May,2025 1 st Week 1 May -3 May	Accessing data from forms, Form validation, Additional features in forms, Validation APIs
4May ,2025	Sunday
2 nd Week 5May–10 May	Introduction to jQuery: jQuery Syntax,
11May,2025	Sunday
3 rd Week 12May-17May	JQuery Selectors, jQuery Events, jQuery Effects, jQuery HTML,
18May ,2025	Sunday
4 th Week 19 May - 24 May	jQuery Traversing, jQuery AJAX, jQuery Misc.
25May ,2025	Sunday
5 th Week 26 May - 31 May	REVISION OF SYLLABUS
29May ,2025	Maharana Partap Jayanti
1 June,2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher–Ms. Mandeep Kaur

Class-BCA II Year (4th sem)

Subject-Computer Science

Paper- Computer Graphics (B23-CAP-403)

February, 2025 1 st Week 1 Feb, 2025	Introduction: History of Computer Graphics (CG), Applications of Computer Graphics, Components of interactive graphics systems
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Feb	Display devices: Refresh CRT, Color CRT, Plasma Panel displays LCD Panels
9 Feb, 2025	Sunday
3 rd Week 10Feb -15 Feb	Raster-scan System, Random scan System, Graphic software, Input/Output Devices, Tablets
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Output Primitives: Points and Lines, Line Drawing Algorithms: DDA algorithm, Bresenham's algorithm. Circle drawing Algorithms: Polynomial Method, Bresenham's algorithm
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Parametric representation of Cubic Curves, Bezier Curves
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher–Ms. Mandeep Kaur

Class-BCA II Year (4th sem)

Subject-Computer Science

Paper- Computer Graphics (B23-CAP-403)

March,2025 1 st Week 1 March, 2025	2D Transformation: Use of Homogeneous Coordinates Systems
2 March,2025	Sunday
2 nd Week 3 March– 8 March	Composite Transformation: Translation, Scaling, Rotation, Mirror Reflection
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March–22 March	Rotation about an Arbitrary Point. Clipping and Windowing, Clipping Operations
23 March,2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March–29 March	Line Clipping Algorithms: The Mid-Point subdivision method
30 March,2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher–Ms. Mandeep Kaur

Class-BCA II Year (4th sem)

Subject-Computer Science

Paper- Computer Graphics (B23-CAP-403)

April,2025 1st Week 1April –5April	Cohen-Sutherland Line Clipping Algorithms, Polygon Clipping, Sutherland Hodgeman Algorithms
6April,2024	Sunday, Ram Navmi
2ndWeek 7April-12April	Text Clipping
10 April, 2025 13April,2025 14April,2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3rdWeek 15April -19April	3-D Graphics: 3-D object representations
20April,2025	Sunday
4thWeek 21April -28April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti AkshyaTritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher–Ms. Mandeep Kaur
Class-BCA II Year (4th sem)
Subject-Computer Science
Paper- Computer Graphics (B23-CAP-403)

May,2025 1 st Week 1 May -3 May	3-D Transformations: Translation, Rotation, Scaling, Projections
4May ,2025	Sunday
2 nd Week 5May–10 May	Hidden surface elimination: Back face removal,
11May,2025	Sunday
3 rd Week 12May-17May	Depth Buffer algorithm, Scan-line algorithm, Depth sort algorithm,
18May ,2025	Sunday
4 th Week 19 May - 24 May	Shading.
25May ,2025	Sunday
5 th Week 26 May - 31 May	REVISION OF SYLLABUS
29May ,2025	Maharana Partap Jayanti
1 June,2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND
D.A.V College for Women, Karnal

Lesson Plan for the Even Semester
(January to May, 2025)

Name of the Teacher – Saumya Kumar

Class- PGDCA 2nd sem

Subject- Computer Network

Paper- M24-CAP-202

January, 2025 4th Week 20 Jan-25 Jan	Network Characterization: Goals and Applications; Categorization according to Size, Purpose, Design issues & Transmission Technologies
26 Jan, 2025	Sunday, Republic Day
5th Week 27 Jan – 31 Jan	Network Architecture and Service Models; Design issues for the Layers; Reference Models: OSI and TCP/IP
February, 2025 1st Week 1 Feb, 2025	Functions of layers and protocols of TCP/IP; Comparison of OSI & TCP/IP ; Data Transmission using TCP/IP;
2 Feb, 2025	Sunday, Basant Panchmi
2nd Week 3 Feb – 8 Feb	Networking Models & Applications: Centralized, Decentralized, and Distributed; Client-Server and Peer-to-Peer; File sharing & Web- based ,Content Distribution Networks
9 Feb, 2025	Sunday
3rd Week 10 Feb - 15 Feb	Introduction to Example Networks: The Internet and its Conceptual View Internet Services; Accessing The Internet
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4th Week 17 Feb-22 Feb	Connection-Oriented Networks: X.25, Frame Relay and ATM;
23 Feb, 2025	Sunday
5th Week 24 Feb- 28 Feb	Data Communication Concepts & Components: Digital and Analog Data and Signals, Asynchronous and Synchronous transmission; bit rate & baud, bandwidth & Channel Capacity; Nyquist Bit Rate, Shannon Capacity; Network Performance Parameters; Transmission Impairment;
26 Feb, 2025	Maha Shivratri
March, 2025 1st Week 1 March, 2025	Connecting Devices & Transmission Media: Network Interface Cards, Connectors, Hubs, Transceivers & Media Connectors; Link-Layer Switches, Bridge, Routers, Gateways, Virtual LANs; Guided Transmission Media; Wireless transmission; Satellite communication.
2 March, 2025	Sunday
2nd Week 3 March – 8 March	Data Encoding & Modulation Techniques: NRZ, NRZ-I, Manchester and Differential Manchester encoding; 4B/5B ; Pulse Code Modulation & Delta Modulation; Digital to Analog encoding

KUMARI VIDYAVATI ANAND
D.A.V College for Women, Karnal

Lesson Plan for the Even Semester
(January to May, 2025)

Name of the Teacher – Saumya Kumar

Class- PGDCA 2nd sem

Subject- Computer Network

Paper- M24-CAP-202

3rd Week 9 March - 16 March	Holi Vacations
4th Week 17 March – 22 March	Switching and Bandwidth Utilization: Methods of Switching; Virtual Circuit & Datagram Networks; Multiplexing; Spread Spectrum; Wired Networks and the Local Loop: Telephone Networks; Modems; Broadband and ADSL; ADSL Versus Cable; Hybrid Fiber-Coaxial Network ; Fiber-to-the-Home Broadband;
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5th Week 24 March – 29 March	Data Link Layer: Communication at the Data Link Layer; Nodes and Links; Link Layer Addressing; Examples of Data Link layer protocols; Design Issues: Framing techniques; Error Detection and Correction; Sliding Window Flow Control Protocols;
30 March, 2025	Sunday
6th Week 31 March, 2025	Id-ul- Fitr
April, 2025 1st Week 1 April – 5 April	Media Access Control: Random Access: Aloha, CSMA , CSMA/CD; Collision free protocols with Controlled Access; Wavelength Division Multiple access for Fiber-Optic Data Communication;
6 April, 2024	Sunday, Ram Navmi
2nd Week 7 April - 12 April	IEEE LAN standards: Ethernet (Physical specifications, Encoding, Frame Format & MAC protocol); Binary Exponential Backoff algorithm; Introduction to Wireless Networks: IEEE 802.11 Wireless LAN; Wi-Max; Wireless LAN Protocol: MACA; Bluetooth and other wireless PAN technologies; Cellular Networks: Generations; GSM, CDMA, LTE.
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3rd Week 15 April - 19 April	Transport layer : Addressing, Services and Protocols; TCP and UDP services & header formats; Network Layer : Services, Routing Algorithms: Shortest Path Routing, Flooding , Distance Vector Routing, Link State Routing, Hierarchical Routing, Multi Cast Routing, Routing for Mobile hosts.

KUMARI VIDYAVATI ANAND
D.A.V College for Women, Karnal

Lesson Plan for the Even Semester
(January to May, 2025)

Name of the Teacher – Saumya Kumar

Class- PGDCA 2nd sem

Subject- Computer Network

Paper- M24-CAP-202

20 April, 2025	Sunday
4 th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya
May , 2025 1 st Week 1 May - 3 May	Network Layer in TCP/IP: Basic characteristics of IP protocol; addressing and header format of IPv4 ; IPv6;
4 May , 2025	Sunday
2 nd Week 5 May – 10 May	Congestion Control & Quality of Service: General Principals; Congestion control in Virtual – Circuit Subnets; Congestion Control in Datagram Subnets
11 May, 2025	Sunday
3 rd Week 12 May - 17 May	Choke packets, Load Shedding; Random Early Detection, Jitter Control; Over provisioning, Buffering, Traffic Shaping,
18 May , 2025	Sunday
4 th Week 19 May - 24 May	Leaky Bucket, Token Bucket, Resource Reservation, Admission Control, Packet Scheduling;
25 May , 2025	Sunday
5 th Week 26 May - 31 May	Revision of entire syllabus
29 May , 2025	Maharana Partap Jayanti
1 June, 2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND
D.A.V College for Women, Karnal

Lesson Plan for the Even Semester
(January to May, 2025)

Name of the Teacher – Saumya Kumar

Class- PGDCA 2nd Sem

Subject- Server Side Web Technology

Paper- M24-CAP-201

January, 2025 4th Week 20 Jan-25 Jan	Introduction to web servers, Client-Server Architecture, Request-Response Cycle, ServerSide vs. Client-Side. Introduction to Node.js: Overview of Node.js
26 Jan, 2025	Sunday, Republic Day
5th Week 27 Jan – 31 Jan	Non-blocking I/O, Event-driven architecture, Benefits of using Node.js in the MERN stack
February, 2025 1st Week 1 Feb, 2025	Installing Node.js, Using Node Package Manager (npm), Creating and managing packages
2 Feb, 2025	Sunday, Basant Panchmi
2nd Week 3 Feb – 8 Feb	Modules: Working with core modules, Creating and importing custom modules, require and exports.
9 Feb, 2025	Sunday
3rd Week 10 Feb - 15 Feb	File handling: Reading from and writing to files, Handling directories
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4th Week 17 Feb-22 Feb	Managing asynchronous tasks efficiently in File handling.
23 Feb, 2025	Sunday
5th Week 24 Feb- 28 Feb	Building Web Servers: Creating a basic HTTP server, Handling HTTP requests and responses
26 Feb, 2025	Maha Shivratri
March, 2025 1st Week 1 March, 2025	Understanding request methods (GET, POST, PUT, DELETE). Event-Driven Programming Using EventEmitter, Creating custom events, Handling realtime data
2 March, 2025	Sunday
2nd Week 3 March – 8 March	Error Handling and Debugging: Try-catch blocks, Handling asynchronous errors, Using debugging tools (e.g., node --inspect, Chrome DevTools).
3rd Week 9 March - 16 March	Holi Vacations
4th Week 17 March – 22 March	Express.js Basics: Introduction to Express.js, Setting up Express projects, Understanding routing and middleware

KUMARI VIDYAVATI ANAND
D.A.V College for Women, Karnal

Lesson Plan for the Even Semester
(January to May, 2025)

Name of the Teacher – Saumya Kumar

Class- PGDCA 2nd Sem

Subject- Server Side Web Technology

Paper- M24-CAP-201

23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	Using template engines (e.g., EJS) for server-side rendering, Designing RESTful APIs, CRUD operations, Structuring API routes.
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr
April, 2025 1 st Week 1 April – 5 April	Built-in middleware (e.g., body-parser), Creating custom middleware, Error handling middleware. User authentication using JWT (JSON Web Tokens) and sessions.
6 April, 2024	Sunday, Ram Navmi
2 nd Week 7 April - 12 April	Introduction to MongoDB: NoSQL vs. SQL databases, Setting up MongoDB locally and on cloud (e.g., MongoDB Atlas)
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3 rd Week 15 April - 19 April	Document-based NoSQL database, JSON-like documents
20 April, 2025	Sunday
4 th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND
D.A.V College for Women, Karnal

Lesson Plan for the Even Semester
(January to May, 2025)

Name of the Teacher – Saumya Kumar

Class- PGDCA 2nd Sem

Subject- Server Side Web Technology

Paper- M24-CAP-201

May , 2025 1st Week 1 May - 3 May	Setting Up MongoDB: Installation, creating databases, collections, and documents
4 May , 2025	Sunday
2nd Week 5 May – 10 May	CRUD Operations in MongoDB: Inserting, querying, updating
11 May, 2025	Sunday
3rd Week 12 May - 17 May	CRUD Operations in MongoDB: Inserting, querying, updating, deleting documents
18 May , 2025	Sunday
4th Week 19 May - 24 May	Indexes in MongoDB: Creating and using indexes
25 May , 2025	Sunday
5th Week 26 May - 31 May	Revision of entire Syllabus
29 May , 2025	Maharana Partap Jayanti
1 June, 2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND
D.A.V College for Women, Karnal

Lesson Plan for the Even Semester
(January to April, 2025)

Name of the Teacher – Saumya Kumar

Class- BCA VIth Sem

Subject- Programming in Core Java

Paper- BCA-366

January, 2025 1 st Week 1 Jan – 4 Jan	Basic Principles of Object Oriented Programming, Introduction to Java, History and Features of Java, Java Virtual Machine (JVM), Java's Magic Bytecode; The Java Runtime Environment
5 Jan, 2025 6 Jan, 2025	Sunday Shri Guru Gobind Singh Ji Jayanti
2 nd Week 6 Jan – 11 Jan	Basic Language Elements: Lexical Tokens, Identifiers, Keywords, Literals, Comments, Primitive Data types, Operators, Assignments
12 Jan, 2025	Sunday
3 rd Week 13 Jan – 18 Jan	Input/output in Java: Basics, I/O Classes, Reading Console Input, Control Structures in Java: Decision and Loop Control Statements
19 Jan, 2025	Sunday
January, 2025 4 th Week 20 Jan-25 Jan	Class and Object in Java: Defining Class in Java, Creating Objects of a Class, Defining Methods, Argument Passing Mechanism, Using Class and Objects, Constructors
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Jan	Nested Class, Inner Class, Abstract Class, Dealing with Static Members
February, 2025 1 st Week 1 Feb, 2025	Array & String in Java: Defining an Array, Initializing & Accessing Array, Multi –Dimensional Array
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Aug	Defining String, Operation on Array and String,
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	Creating Strings using StringBuffer Class Polymorphism in Java: Basic Concept, Types, Overriding vs. Overloading
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Implementation Extending Classes and Inheritance in Java: Benefits of Inheritance,
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Types of Inheritance in Java, Access Attributes, Inheriting Data Members and Methods,
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND
D.A.V College for Women, Karnal

Lesson Plan for the Even Semester
(January to April, 2025)

Name of the Teacher – Saumya Kumar

Class- BCA VIth Sem

Subject- Programming in Core Java

Paper- BCA-366

March, 2025 1st Week 1 March, 2025	Role of Constructors in Inheritance, Use of “super”. Packages & Interfaces: Basic Concepts of Package and Interface
2 March, 2025	Sunday
2nd Week 3 March – 8 March	Organizing Classes and Interfaces in Packages, Defining Package, Adding Classes from a Package to Your Program CLASSPATH Setting for Packages,
3rd Week 9 March - 16 March	Holi Vacations
4th Week 17 March – 22 March	Import Package, Naming Convention for Packages , Access Protection in Packages,
23 March, 2025	Sunday, Shaheedi Diwas/Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5th Week 24 March – 29 March	Sessional Exams
30 March, 2025	Sunday
6th Week 31 March, 2025	Id-ul- Fitr
April, 2025 1st Week 1 April – 5 April	Standard Packages Exception Handling in Java: The Idea behind Exception, Types of Exception, Use of try, catch, finally, throw, throws in Exception Handling, In-built and User Defined Exceptions, Checked and Un-Checked Exceptions, Catching more than one Exception
6 April, 2024	Sunday
2nd Week 7 April - 12 April	Applet in Java: Applet Basics, Applet Architecture, Applet Life Cycle, Applet Tag, Parameters to Applet, Embedding Applets in Web page, Creating Simple Applets
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday Dr. B.R.Ambedkar Jayanti

KUMARI VIDYAVATI ANAND
D.A.V College for Women, Karnal

Lesson Plan for the Even Semester
(January to April, 2025)

Name of the Teacher – Saumya Kumar

Class- BCA VIth Sem

Subject- Programming in Core Java

Paper- BCA-366

3rd Week 15 April - 19 April	GUI Programming: Designing Graphical User Interfaces in Java, Components and Containers,
20 April, 2025	Sunday
4th Week 21 April - 26 April	Using Containers, Layout Managers, AWT Components,
27 April, 2025	Sunday
5th Week 28 April, 2025	AWT Classes, AWT Controls
29 April, 2025 30 April, 2025	Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Komal

Class- PGDCA

Subject- Database Management System

Paper- M24-CAP-203

January, 2025 4 th Week 20 Jan-25 Jan	Database System Concepts and Architecture: Three - Schema Architecture and Data Independence, Entity Relationship Model: Entity Types
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Jan	Entity Sets, Attributes & keys, Relationships Types & instances ER Diagrams, Naming conventions and Design Issues.
February, 2025 1 st Week 1 Feb, 2025	Relational Model Constraints,
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Feb	Concept of Keys, SQL: Data Definition and Data Types
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	DDL, DML, and DCL, Join Operations, Views & Queries in SQL, Specifying Constraints
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Indexes in SQL Aggregate functions - min, max, count, average, sum.
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Group by, Order by and Having clauses
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Komal

Class- PGDCA

Subject- Database Management System

Paper- M24-CAP-203

March, 2025 1 st Week 1 March, 2025	PL/SQL: Architecture of PL/SQL
2 March, 2025	Sunday
2 nd Week 3 March – 8 March	Basic Elements of PL/SQL, PL/SQL Transactions, Cursors and Triggers.
3 rd Week 9 March - 16 March	Holi Vacations
4 th Week 17 March – 22 March	Relational Algebra: Unary and Binary Relational Operations, Functional Dependencies
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5 th Week 24 March – 29 March	Normal Forms Based on Primary Keys- (1NF, 2NF, 3NF, BCNF)
30 March, 2025	Sunday
6 th Week 31 March, 2025	Id-ul- Fitr
April, 2025 1 st Week 1 April – 5 April	Multi-valued Dependencies, 4 NF, Join dependencies, 5 NF
6 April, 2024	Sunday, Ram Navmi
2 nd Week 7 April - 12 April	Domain Key Normal Form, Query Processing and Optimization
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3 rd Week 15 April - 19 April	Query Processing and Optimization
20 April, 2025	Sunday
4 th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Komal

Class- PGDCA

Subject- Database Management System

Paper- M24-CAP-203

May , 2025 1st Week 1 May - 3 May	Transaction & System Concepts, Properties of Transaction
4 May , 2025	Sunday
2nd Week 5 May – 10 May	Schedules and Recoverability Recovery and security.
11 May, 2025	Sunday
3rd Week 12 May - 17 May	Serializability of Schedules, Concurrency Control
18 May , 2025	Sunday
4th Week 19 May - 24 May	Techniques: Locking Techniques
25 May , 2025	Sunday
5th Week 26 May - 31 May	Time stamp ordering, Multi-version Techniques, Database backup
29 May , 2025	Maharana Partap Jayanti
1 June, 2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Komal

Class- M. Sc. Computer Science (Software)

Subject- Data Communication

Paper- M24-CSE-202

January, 2025 4th Week 20 Jan-25 Jan	Introduction to Networks: Overview of computer networks, network architectures (layered model, OSI model, TCP/IP model)
26 Jan, 2025	Sunday, Republic Day
5th Week 27 Jan – 31 Jan	Network protocols and services, Network Applications: File sharing (client-server, peer-to-peer),
February, 2025 1st Week 1 Feb, 2025	Web services (HTTP, web servers, caching)
2 Feb, 2025	Sunday, Basant Panchmi
2nd Week 3 Feb – 8 Feb	Content delivery networks (CDNs), distributed applications, wireless access points.
9 Feb, 2025	Sunday
3rd Week 10 Feb - 15 Feb	Network Devices: Network Interface Cards (NICs), hubs, switches, routers, gateways, firewalls, modems
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4th Week 17 Feb-22 Feb	Network Media: Guided media (coaxial cable, twisted-pair, fiber optic), wireless media (radio waves, Wi-Fi, cellular networks).
23 Feb, 2025	Sunday
5th Week 24 Feb- 28 Feb	Data Communication Concepts: digital and analog signals. asynchronous and synchronous transmission in real-world scenarios
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Komal

Class- M. Sc. Computer Science (Software)

Subject- Data Communication

Paper- M24-CSE-202

March, 2025 1st Week 1 March, 2025	Network Performance: Metrics (bandwidth, latency, throughput, packet loss)
2 March, 2025	Sunday
2nd Week 3 March – 8 March	Factors affecting performance (bottlenecks, congestion, network impairments), quality of service (QoS).; Command-Line Tools to measure network performance
3rd Week 9 March - 16 March	Holi Vacations
4th Week 17 March – 22 March	Data Encoding & Modulation Techniques: NRZ, NRZ-I, Manchester and Differential Manchester encoding; 4B/5B ; Pulse Code Modulation & Delta Modulation; Digital to Analog encoding;
23 March, 2025	Sunday, Shaheedi Diwas/ Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5th Week 24 March – 29 March	Switching and Bandwidth Utilization: circuit vs. packet switching and their application in real-world networks (voice calls vs. data transfer)
30 March, 2025	Sunday
6th Week 31 March, 2025	Id-ul- Fitr
April, 2025 1st Week 1 April – 5 April	Wired Networks and the Local Loop: wired technologies (ADSL, Cable) used for internet access ; Fiber-to-the-Home Broadband
6 April, 2024	Sunday, Ram Navmi
2nd Week 7 April - 12 April	Data Link Layer: Concepts (framing, error detection and correction, flow control), Media Access Control (MAC) protocols (CSMA/CD, CSMA/CA), Ethernet (frame format, addressing), IEEE 802.11 Wi-Fi standards.
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday, Vaisakhi Dr. B.R. Ambedkar Jayanti
3rd Week 15 April - 19 April	Network Layer: Logical addressing (IP addresses, subnetting, CIDR), routing protocols (distance vector, link state, hierarchical, Multicast Routing, Routing for mobile hosts), IPv4 and IPv6: Structure and addressing schemes of IPv4 and IPv6
20 April, 2025	Sunday
4th Week 21 April - 28 April	Sessional Exams
27 April, 2025 29 April, 2025 30 April, 2025	Sunday Parshuram Jayanti Akshya Tritya

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to May, 2025)

Name of the Teacher – Ms Komal

Class- M. Sc. Computer Science (Software)

Subject- Data Communication

Paper- M24-CSE-202

May , 2025 1st Week 1 May - 3 May	Transport Layer: Protocols (TCP, UDP), connection-oriented vs. connectionless services, port numbers
4 May , 2025	Sunday
2nd Week 5 May – 10 May	Network Management: Simple Network Management Protocol (SNMP), network monitoring tools, Virtual LANs (VLANs): Concept, configurations, benefits for network management and security
11 May, 2025	Sunday
3rd Week 12 May - 17 May	Reliable data transfer with TCP (three-way handshake, flow control, congestion control), Emerging Network Technologies: Software-Defined Networking (SDN)
18 May , 2025	Sunday
4th Week 19 May - 24 May	Internet of Things (IoT) networking, network function virtualization (NFV), Introduction to Example Networks: The Internet - conceptual framework and common services
25 May , 2025	Sunday
5th Week 26 May - 31 May	Wide Area Networks (WAN) Technologies: X.25, Frame Relay, Asynchronous Transfer Mode (ATM), MPLS.
29 May , 2025	Maharana Partap Jayanti
1 June, 2025 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Komal

Class- M.Sc 2nd (4th sem)

Subject- ADVANCED WEB TECHNOLOGY

Paper- MS-15-41

January, 2025 1 st Week 1 Jan – 4 Jan	Introduction: Web Browsers, Caching, Downloading and Rendering, Persistent Connections, DNS caching and prefetching, CSS Expressions and performance, Buffering, Weblog.
5 Jan, 2025 6 Jan, 2025	Sunday Shri Guru Gobind Singh Ji Jayanti
2 nd Week 6 Jan – 11 Jan	Optimization and Security: Parallel Downloading, Controlling caches, Content compression, Control size with minification
12 Jan, 2025	Sunday
3 rd Week 13 Jan – 18 Jan	Optimizing query execution and optimization, Marketing of Website: traffic generation, Newsletters; Security: SQL: query log, SQL injections.
19 Jan, 2025	Sunday
January, 2025 4 th Week 20 Jan-25 Jan	Search engines: Searching techniques used by search engines, keywords, advertisements, Search engine optimization for individual web pages: header entries
26 Jan, 2025	Sunday, Republic Day
5 th Week 27 Jan – 31 Jan	Search engine optimization for entire website: Hyperlinks and link structure, page rank of Google, click rate, residence time of website.
February, 2025 1 st Week 1 Feb, 2025	Frames, scripts, content management system.
2 Feb, 2025	Sunday, Basant Panchmi
2 nd Week 3 Feb – 8 Feb	Cookies, robots, Pitfalls in Optimization: optimization and testing, keyword density, doorway pages, duplicate contents, quick change of topics,
9 Feb, 2025	Sunday
3 rd Week 10 Feb - 15 Feb	tools for optimization: etracking, Google analytics, checklists. Introduction to JavaScript: Introduction, Obtaining user inputs, memory concepts,
12 Feb, 2025 16 Feb, 2025	Guru Ravidas Jayanti Sunday
4 th Week 17 Feb-22 Feb	Operators, Control Structures, Looping constructs, break, continue statements, Programmer defined functions, Scoping rules, Recursion and Iteration.
23 Feb, 2025	Sunday
5 th Week 24 Feb- 28 Feb	Array declaration and allocation, passing arrays to function, Objects: String, Date, Boolean, Window, document; using cookies.
26 Feb, 2025	Maha Shivratri

KUMARI VIDYAVATI ANAND D.A.V College for Women, Karnal

Lesson Plan for the Even Semester (January to April, 2025)

Name of the Teacher – Ms Komal

Class- M.Sc 2nd (4th sem)

Subject- ADVANCED WEB TECHNOLOGY

Paper- MS-15-41

March, 2025 1st Week 1 March, 2025	Introduction to PHP: Installing and Configuring MySQL and PHP
2 March, 2025	Sunday
2nd Week 3 March – 8 March	Basic Security Guidelines, Variables, Data Types, Operators and Expressions
3rd Week 9 March - 16 March	Holi Vacations
4th Week 17 March – 22 March	Constants, Flow Control Functions; Switching Flow, Loops, Code Blocks and Browser Output
23 March, 2025	Sunday, Shaheedi Diwas/Martyrdom Day of Bhagat Singh, Rajguru & Sukhdev
5th Week 24 March – 29 March	Sessional Exams
30 March, 2025	Sunday
6th Week 31 March, 2025	Id-ul- Fitr
April, 2025 1st Week 1 April – 5 April	Objects, Strings Processing, Form processing, Connecting to database using cookies
6 April, 2024	Sunday
2nd Week 7 April - 12 April	dynamic contents. Tags, selection of URL, alt tags,
10 April, 2025 13 April, 2025 14 April, 2025	Mahavir Jayanti Sunday Dr. B.R.Ambedkar Jayanti
3rd Week 15 April - 19 April	Broken links, poor readability, rigid layouts, navigation styles;
20 April, 2025	Sunday
4th Week 21 April - 26 April	Optimizing images, Load balancers, Tuning MYSQL, Using query caching,
27 April, 2025	Sunday
5th Week 28 April, 2025	Handling Events Using JavaScript
29 April, 2025 30 April, 2025	Parshuram Jayanti Akshya Tritya

