

KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN, KARNAL

Lesson Plan for the Even Semester (January to May, 2026)

Name of the Teacher – Dr Sakshi Aneja

Class – BCA 2nd Sem

Subject – Concepts of Operating Systems

Paper – B23-CAP-203

3 rd Week 12 Jan – 17 Jan	Unit-1 Introductory Concepts: Operating System, Functions and Characteristics, Historical Evolution of Operating Systems
18 Jan, 2026	Sunday
4 th Week 19 Jan – 24 Jan	Operating System Structure. Types of Operating System: Real-time, Multiprogramming, Multiprocessing, Batch processing. Operating System Services
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5 th Week 27 Jan – 31 Jan	Operating System Interface, Service System Calls, and System Programs. Process Management: Process Concepts, Operations on Processes
February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Process States , and Process Control Block. Inter-Process Communication
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Unit-2 CPU Scheduling: Scheduling Criteria, Levels of Scheduling, Scheduling Algorithms
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	Multiple Processor Scheduling, Algorithm Evaluation. Synchronization: Critical Section Problem,
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Semaphores, Classical Problem of Synchronization, Monitors. Deadlocks: Deadlock Characterization,
March, 2026 1 st Week 1 March – 8 March	Holi Break

2 nd Week 9 March – 14 March	Methods for Handling Deadlocks, Deadlock Prevention, Deadlock Avoidance.
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Deadlock Detection and Recovery
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Unit-3 Memory Management Strategies: Memory Management of Single-user and Multiuser Operating Systems
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Partitioning, Swapping, Contiguous Memory Allocation, Paging and Segmentation;
31 March, 2026	Mahavir Jayanti
April, 2026 1 st Week 1 April – 4 April	Virtual Memory Management: Demand Paging, Page Replacement Algorithms, Thrashing.
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Unit-4 Implementing File System: File System Structure, File System Implantation
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	File Operations, Type of Files, Directory Implementation, Allocation Methods
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Free Space Management, Disk Scheduling algorithm - SSTF
May, 2026 1 st Week 1 May – 2 May 2026	Disk Scheduling algorithm - SSTF, Scan, C- Scan
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Disk Scheduling algorithm - Look, C-Look. SSD Management
6 May, 2026 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN, KARNAL

Lesson Plan for the Even Semester (January to May, 2026)

Name of the Teacher – Dr Sakshi Aneja

Class – BCA 2nd Sem

Subject – Cloud Computing Skills

Paper – B23-SEC-201

3 rd Week 12 Jan – 17 Jan	Unit-1 Basic Concepts of Cloud Computing , Introduction
18 Jan, 2026	Sunday
4 th Week 19 Jan – 24 Jan	Computer Network Basics. Concepts of Distributed Systems. Concepts of Cloud Computing and its Necessity.
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5 th Week 27 Jan – 31 Jan	Cloud Service Providers in use and their Significance.
February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Unit-2 Cloud Infrastructure Cloud Pros and Cons.
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Cloud Delivery Models.
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	Cloud Deployment Models (SaaS,PaaS,IaaS)
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Challenges in Cloud Computing, Future trends of cloud computing
March, 2026 1 st Week 1 March – 8 March	Holi Break

2 nd Week 9 March – 14 March	Unit-3 Cloud Storage Management Concept of Virtualization
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Load Balancing. Overview on Virtualization used for Enterprise Solutions.
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Key Challenges in managing Information. Identifying the problems of scale in big data
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Identifying the problems of management in big data.
31 March, 2026	Mahavir Jayanti
April, 2026 1 st Week 1 April – 4 April	Unit-4 Building Cloud Networks Designing
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Implementing a Data Center-Based Cloud Installing Open Source Cloud service.
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	Amazon Web Services (AWS).
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Google Cloud Platform
May, 2026 1 st Week 1 May – 2 May 2026	Revision of the syllabus
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Previous Years Question Papers discussed Problem taken from students
6 May, 2026 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN, KARNAL

Lesson Plan for the Even Semester (January to May, 2026)

Name of the Teacher –Harbinder Kaur

Class – BCA-6th Sem

Subject – Programming using Python

Paper – B23-CAP-601

3 rd Week 12 Jan – 17 Jan	Unit-1 Introduction to Python: Python Interpreter, Python as calculator
18 Jan, 2026	Sunday
4 th Week 19 Jan – 24 Jan	Python shell, Indentation, identifier and keywords, literals, strings,
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5 th Week 27 Jan – 31 Jan	Operators: Arithmetic, Relational, Logical, comparison, Bitwise, Assignment, Identity operator and Membership operator
February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Input & output statements, Control statements: Branching, looping
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Conditional statement, Exit function Unit-2 String Manipulations: Subscript operator, indexing, slicing a string
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	other functions on strings, string module. Strings and number system: Format functions, converting strings to numbers & Vice Versa. List, Tuples, Sets, Dictionaries
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Basic list operators, replacing, inserting, removing an element, searching, Sorting lists,
March, 2026 1 st Week 1 March – 8 March	Holi Break

2 nd Week 9 March – 14 March	Dictionary literals, adding & removing keys, accessing & replacing values, traversing dictionaries.
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Unit-3 Array in Python, Design with Functions: hiding redundancy, complexity, Arguments & return values
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Formal/Actual arguments, named arguments, program structure and design,
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Recursive functions, scope & Global statements, Importing modules,
31 March, 2026	Mahavir Jayanti
April, 2026 1 st Week 1 April – 4 April	Math modules & Random modules.
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Unit-4 Exception Handling: Exceptions, except clause, try and finally clause, user-defined exceptions.
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	File Handling: Manipulating files & directories, OS & SYS modules,
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Reading, writing text & numbers from/to file.
May, 2026 1 st Week 1 May – 2 May 2026	Graphics: “Turtle” module, drawing colors, shapes, digital images, image file formats
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Problems taken from students Revision of Syllabus
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
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**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Neha Sharma
Class – BCA-2nd Sem
Subject – Introduction to Web Technologies
Paper – B23-CAP-202

3 rd Week 12 Jan – 17 Jan	Introduction to Internet and World Wide Web (WWW) Applications of Internet, Evolution and History of World Wide Web
18 Jan, 2026	Sunday
4 th Week 19 Jan – 24 Jan	Web Pages and Contents, Web Clients, Web Servers, Web Browsers Hypertext Transfer Protocol, URLs
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5 th Week 27 Jan – 31 Jan	Searching, Search Engines and Search Tools. Web Publishing Hosting website; Internet Service Provider;
February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Planning and designing website; Web Graphics Design, Steps For Developing website
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Creating a Website and Introduction to Markup Languages (HTML and DHTML)
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	HTML Document Features & Fundamentals, HTML Elements, Creating Links, Headers; Text styles; Text Structuring; Text colour and Background
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Formatting text, Page layouts, Images; Ordered and Unordered lists; Inserting Graphics; Table Creation and Layouts;
March, 2026 1 st Week 1 March – 8 March	Holi Break

2 nd Week 9 March – 14 March	Frame Creation and Layouts; Working with Forms and Menus;
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Working with Radio Buttons; Check Boxes; Text Boxes, HTML5
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Introduction to CSS (Cascading Style Sheets): Features, Core Syntax, Types, Style Sheets and HTML,
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Style Rule Cascading and Inheritance, Text Properties, CSS Box Model,
31 March, 2026	Mahavir Jayanti
April, 2026 1 st Week 1 April – 4 April	Normal Flow Box Layout, Positioning, and other useful Style Properties; Features of CSS3
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	The Nature of JavaScript: Evolution of Scripting Languages,
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	JavaScript-Definition, Programming for Non-Programmers,
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Introduction to Client–Side Programming, Enhancing HTML Documents with JavaScript.
May, 2026 1 st Week 1 May – 2 May 2026	Static and Dynamic web pages
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Previous Years Question Papers Discussed Problems taken from students
6 May, 2026 Onwards	University Examinations

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Lesson Plan for the Even Semester (January to May, 2026)

Name of the Teacher –Neha Sharma
Class – BCA-4th Sem
Subject – Data Structures and Applications
Paper – B23-CAP-401

3 rd Week 12 Jan – 17 Jan	Data Structure Definition, Data Type vs. Data Structure, Classification of Data Structures, Data Structure Operations, Applications of Data Structures.
18 Jan, 2026	Sunday
4 th Week 19 Jan – 24 Jan	Algorithm Specifications: Performance Analysis and Measurement (Time and Space Analysis of Algorithms- Average, Best and Worst Case Analysis). Arrays: Introduction, Linear Arrays, Representation of Linear Array in Memory
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5 th Week 27 Jan – 31 Jan	Two Dimensional and Multidimensional Arrays, Sparse Matrix and its Representation,
February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Operations on Array: Algorithm for Traversal, Selection, Insertion, Deletion and its implementation.
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	String Handling: Storage of Strings, Operations on Strings viz., Length, Concatenation, Substring, Insertion
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	Deletion, Replacement, Pattern Matching Linked List: Introduction, Array vs. linked list, Representation of linked lists in Memory
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Traversing a Linked List, Insertion
March, 2026 1 st Week 1 March – 8 March	Holi Break

2 nd Week 9 March – 14 March	Deletion, Searching into a Linked list, Type of Linked List
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Stack: Array Representation of Stack, Linked List Representation of Stack, Algorithms for Push and Pop
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Application of Stack: Polish Notation, Postfix Evaluation Algorithms, Infix to Postfix Conversion, Infix to Prefix Conversion, Recursion.
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Introduction to Queues: Simple Queue, Double Ended Queue, Circular Queue, Priority Queue, Representation of Queues as Linked List and Array
31 March, 2026	Mahavir Jayanti
April, 2026 1 st Week 1 April – 4 April	Applications of Queue. Algorithm on Insertion and Deletion in Simple Queue and Circular Queue. Priority Queues
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Tree: Definitions and Concepts, Representation of Binary Tree, Binary Tree Traversal (Inorder, postorder, preorder)
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	Binary Search Trees – Definition, Operations viz., searching, insertions and deletion;
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Searching and Sorting Techniques, Sorting Techniques: Bubble sort, Merge sort, Selection sort, Quick sor
May, 2026 1 st Week 1 May – 2 May 2026	Insertion Sort. Searching Techniques: Sequential Searching
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Binary Searching, Previous Years Question Papers Discussed Problems taken from students
6 May, 2026 Onwards	University Examinations

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**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Neha Sharma

Class – M.Sc.- 4th Sem

Subject – Research Ethics

Paper - M24-CSE-413

3 rd Week 12 Jan – 17 Jan	Unit-1 Introduction to Research Ethics: Definition, need and importance of ethics in research
18 Jan, 2026	Sunday
4 th Week 19 Jan – 24 Jan	Scope and objectives of ethical research; Research and society
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5 th Week 27 Jan – 31 Jan	Scientific temper and research culture
February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Core values – honesty, trust, fairness, accountability; Professionalism and responsibility in research
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Unit-2 Misconduct in Research and Ethical Publishing: Research misconduct
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	Misconduct types:- fabrication, falsification, plagiarism
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Ethical guidelines for authorship and publication; Responsibilities of authors, reviewers, and editors
March, 2026 1 st Week 1 March – 8 March	Holi Break

2 nd Week 9 March – 14 March	Conflict of interest; Retraction and correction of published work, Case studies on research misconduct
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Unit-3 Ethical Issues in Computer Science Research: Data privacy and confidentiality
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Cybersecurity ethics; Ethical use of AI and machine learning systems; Responsible innovation
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Open-source ethics; Software piracy and licensing;
31 March, 2026	Mahavir Jayanti
April, 2026 1 st Week 1 April – 4 April	Intellectual property rights – copyrights, patents, trademarks in research
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Unit-4 Institutional Frameworks and Case Studies: Institutional ethics committees and review boards;
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	National and international guidelines – IEEE, ACM, UGC, DST, and CSIR ethics codes
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Ethical clearance procedures; Whistleblowing and protection;
May, 2026 1 st Week 1 May – 2 May 2026	Case studies of ethical dilemmas and best practices in research ethics
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Previous Years Question Papers Discussed Problems taken from students
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
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**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Mamta Atreja

Class – BCA-2nd Sem

Subject – Object Oriented Programming using C++

Paper – B23-CAP-201

3rd Week 12 Jan – 17 Jan	Input Output in C++: Unformatted and Formatted I/O Operations. I/O using insertion and extraction operators and streams in C++
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	Functions: Declaration and Definition, return values, arguments
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5th Week 27 Jan – 31 Jan	Passing parameters by value, call by reference, call by pointer, Recursion, Inline Functions, Function overloading. Pointers, structures, and union in C++

February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Object-oriented features of C++: Class and Objects, Data hiding & encapsulation, abstraction, Data Members and Member Functions, accessing class members, empty class, local class, global class, Scope Resolution Operator and its Uses,
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Static Data Members, Static Member Functions, Structure vs Class, Friend function and friend class
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	Constructors and Destructors: Constructors, Instantiation of objects, Default constructor, Parameterized constructor, Copy constructor and its use,
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Destructors, Dynamic initialization of objects

March, 2026 1st Week 1 March – 8 March	Holi Break
2nd Week 9 March – 14 March	Operator Overloading: Overloading unary and binary operators: arithmetic operators
15 March, 2026	Sunday
3rd Week 16 March – 20 March	Manipulation of strings using operators.
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4th Week 24 March – 28 March	Inheritance: Derived class, base class, Accessing the base class member
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5th Week 30 March	Inheritance: multilevel, multiple
31 March, 2026	Mahavir Jayanti

April, 2026 1st Week 1 April – 4 April	hierarchical, hybrid Inheritance
5 April, 2026	Sunday
2nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3rd Week 13 April - 18 April	Base class, Abstract class.
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4th Week 20 April - 25 April	Virtual Functions, pure virtual functions
26 April, 2026	Sunday
5th Week 27 April - 30 April	Polymorphism & its types Exception Handling in C++: exception handling model

May, 2026 1st Week 1 May – 2 May 2026	Exception handling constructs - try, throw, catch, Order of catch blocks, Catching all exceptions, Nested try blocks, handling uncaught exceptions
3 May, 2026	Sunday
2nd Week 4 May- 5 May	Revision of all Syllabus
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
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**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Mamta Atreja
Class – BCA-4th Sem
Subject – Fundamentals of E-Commerce
Paper – B23-VOC-231

3rd Week 12 Jan – 17 Jan	E-Commerce concept, history
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	Organizing themes, e-commerce business models.
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5th Week 27 Jan – 31 Jan	The internet, concept, INTRANET, WWW, TECHNOLOGIES

February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Building an e-commerce website,
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	E-commerce website design, role of website B2C ecommerce.
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	A Systematic approach, e commerce security environment, and security threads, technology solution.
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Management policies, business procedures, and public laws, website strategies.

March, 2026 1st Week 1 March – 8 March	Holi Break
2nd Week 9 March – 14 March	Web design principles, push and pull technologies, alternative methods of customer communication
15 March, 2026	Sunday
3rd Week 16 March – 20 March	E-Marketing, scope and technique, traditional web promotion, web counters
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4th Week 24 March – 28 March	Web advertisements, issues and technologies, role of social media ,E-commerce customer, strategies for purchasing an support activities,
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5th Week 30 March	Planning for e-commerce and its initiates, pros and cons of online shopping, marketing creating website, electronic publishing issues, approaches and technologies
31 March, 2026	Mahavir Jayanti

April, 2026 1st Week 1 April – 4 April	EP and web based EP, Electronic Payment system, electronic billing and payment,.
5 April, 2026	Sunday
2nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3rd Week 13 April - 18 April	Special features required in payment system for ecommerce, e-payment system, Types e-cash, & currency servers, E-cheques,.
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirthiya , Sunday
4th Week 20 April - 25 April	Credit cards, smart cards, electronic purses and debit cards. UPI Payments, e-wallets, Master cards/visa, secure electronic transaction: introduction, business requirements, concepts, payment processing
26 April, 2026	Sunday
5th Week 27 April - 30 April	Issues in e-commerce, Ethical, social and political issues, Basic ethical concept, analyzing ethical dilemmas, ethical principles, privacy and information rights

May, 2026 1st Week 1 May – 2 May 2026	Information collected at e-commerce websites ,concept of privacy, legal protections, intellectual property rights types and governance
3 May, 2026	Sunday
2nd Week 4 May- 5 May	Revision of all Syllabus
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
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**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Mamta Atreja
Class – BCA-4th Sem
Subject –E-Commerce
Paper – B23-VAC-417

3rd Week 12 Jan – 17 Jan	Introduction – Meaning, Nature, Concepts
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	Advantages and reasons for transacting online, Categories of e-commerce;
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5th Week 27 Jan – 31 Jan	Planning Online Business: nature and dynamics of the internet, pure online vs. brick and click business.

February, 2026 1st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Technology for Online Business – internet, IT infrastructure
8 Feb, 2026	Sunday
2nd Week 9 Feb - 14 Feb	Middleware contents: text and integrating e-business applications
15 Feb, 2026	Maha Shivratri , Sunday
3rd Week 16 Feb - 21 Feb	Mechanism of making payment through internet: online payment mechanism, electronic payment systems, payment gateways.
22 Feb, 2026	Sunday
4th Week 23 Feb - 28 Feb	Applications in e-commerce – e-commerce applications in manufacturing,

March, 2026 1st Week 1 March – 8 March	Holi Break
2nd Week 9 March – 14 March	Wholesale, retail and service sector.
15 March, 2026	Sunday
3rd Week 16 March – 20 March	Virtual Existence – Concepts, working
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4th Week 24 March – 28 March	Advantages and pitfalls of virtual organizations,.
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5th Week 30 March	Security in e-commerce:
31 March, 2026	Mahavir Jayanti

April, 2026 1st Week 1 April – 4 April	Digital signatures
5 April, 2026	Sunday
2nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3rd Week 13 April - 18 April	Network security
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4th Week 20 April - 25 April	Data encryption secret keys
26 April, 2026	Sunday
5th Week 27 April - 30 April	Data encryption

May, 2026 1st Week 1 May – 2 May 2026	Revision of all Syllabus
3 May, 2026	Sunday
2nd Week 4 May- 5 May	Revision of all Syllabus
6 May, 2026 Onwards	University Examinations

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**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher – Prashantika P Sanduja
Class – BCA II Year IV Semester
Subject – Computer Graphics
Paper – B23-CAP-403

3 rd Week 12 Jan – 17 Jan	Introduction: History of Computer Graphics (CG), Applications of Computer Graphics, Components of interactive graphics systems
18 Jan, 2026	Sunday
4 th Week 19 Jan – 24 Jan	Display devices: Refresh CRT, Color CRT, Plasma Panel displays LCD Panels
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5 th Week 27 Jan – 31 Jan	Raster-scan System, Random scan System, Graphic software, Input/Output Devices, Tablets
February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Output Primitives: Points and Lines, Line Drawing Algorithms: DDA algorithm, Bresenham’s algorithm
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Circle drawing Algorithms: Polynomial Method, Bresenham’s algorithm.
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	Parametric representation of Cubic Curves, Bezier Curves
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Revision of Unit I & II

March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	2D Transformation: Use of Homogeneous Coordinates Systems, Composite Transformation: Translation, Scaling
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Rotation, Mirror Reflection, Rotation about an Arbitrary Point. Clipping and Windowing, Clipping Operations.
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Line Clipping Algorithms: The Mid-Point subdivision method, Cohen-Sutherland Line Clipping Algorithms
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Text Clipping
31 March, 2026	Mahavir Jayanti

April, 2026 1 st Week 1 April – 4 April	3-D Graphics: 3-D object representations, 3-D Transformations: Translation, Rotation
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Scaling, Projections, Hidden surface elimination: Back face removal, Depth Buffer algorithm, Scan-line algorithm
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	Depth sort algorithm, Shading, Polygon Clipping, Sutherland Hodgeman Algorithms
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Revision of Unit III
May, 2026 1 st Week 1 May – 2 May 2026	Revision of Unit IV
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Revision
6 May, 2026 Onwards	University Examinations

Name of the Teacher – Prashantika P Sanduja
Class – B.Sc. Physical Science (SFS) IV Semester
Subject – Data Management with DBMS
Paper – B23-CSE-401

3rd Week 12 Jan – 17 Jan	Basic Concepts: Data, Information, Records, Files, Schema and Instance etc. Limitations of File-Based Approach, Characteristics of Database Approach, Database Management System (DBMS), DBMS Functions and Components, Database Interfaces, Advantages and Disadvantages of DBMS.
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	Database Users: Data and Database Administrator, Role and Responsibilities of Database Administrator, Database Designers, Application Developers etc.
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5th Week 27 Jan – 31 Jan	Database System Architecture: 1-Tier, 2-Tier & Three Levels of Architecture, External, Conceptual and Internal Levels,
February, 2026 1st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Schemas, Mappings and Instances, Data Independence – Logical and Physical Data Independence
8 Feb, 2026	Sunday
2nd Week 9 Feb - 14 Feb	Database System Architecture: 1-Tier, 2-Tier & Three Levels of Architecture, External, Conceptual and Internal Levels
15 Feb, 2026	Maha Shivratri , Sunday
3rd Week 16 Feb - 21 Feb	Schemas, Mappings and Instances, Data Independence – Logical and Physical Data Independence
22 Feb, 2026	Sunday
4th Week 23 Feb - 28 Feb	SQL: Meaning, Purpose, and Need of SQL, Data Types, SQL Components: DDL, DML, DCL and DQL, Basic Queries, Join Operations and Sub-queries,

March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	Views, Specifying Indexes. Constraints and its Implementation in SQL. Relational Algebra: Basic Operations: Select, Project, Join, Union, Intersection, Difference, and Cartesian Product, etc.
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Relational Calculus: Tuple Relational and Domain Relational Calculus. Relational Algebra Vs. Relational Calculus.
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Relational Model: Functional Dependency, Characteristics, Inference Rules for Functional Dependency, Types of Functional Dependency
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Normalization: Benefits and Need of Normalization, Normal Forms Based on Primary Keys- (1NF, 2NF, 3NF, BCNF),
31 March, 2026	Mahavir Jayanti

April, 2026 1 st Week 1 April – 4 April	Multi-valued Dependencies, 4 NF, Join dependencies, 5 NF, Domain Key Normal Form.
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Revision of Unit I & II
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	Revision of Unit III
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Revision of Unit IV
May, 2026 1 st Week 1 May – 2 May 2026	Revision
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Revision
6 May, 2026 Onwards	University Examinations

Name of the Teacher – Prashantika P Sanduja
Class – M.Sc. Computer Science IV Semester
Subject – Cloud Computing & IoT
Paper – M24-CSE-407 (DEC-4)

3rd Week 12 Jan – 17 Jan	Cloud Computing: Definition and Characteristics of Cloud Computing, Evolution and Enabling Technologies, Benefits & Challenges, NIST Reference Architecture of Cloud Computing; Deployment Models, Service Models, Service Oriented Architecture (SOA).
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	Virtualization: Virtualization and Its Role in Cloud Computing; Benefits & Drawbacks of Virtualization, Types of Virtualization
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5th Week 27 Jan – 31 Jan	Server Virtualization, Hypervisor-Based Approaches, Virtualization Of - Operating System, Platform, CPU, Network, Application, Memory and I/O Devices.
February, 2026 1st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Cloud Computing Services & Applications: Cloud Computing Platforms; Compute Services, Storage Services, Database Services, Applications Services
8 Feb, 2026	Sunday
2nd Week 9 Feb - 14 Feb	Queuing Services, E-Mail Services, Notification Services, Media Services, Content Delivery Services, Analytics Services, Deployment & Management Services
15 Feb, 2026	Maha Shivratri , Sunday
3rd Week 16 Feb - 21 Feb	Identity & Access Management Services and their Case Studies. Cloud Security and Compliance: Security Challenges in The Cloud, Data Protection and Privacy, Compliance and Regulatory Issues
22 Feb, 2026	Sunday
4th Week 23 Feb - 28 Feb	Internet of Thing (IoT): Definition and Characteristics of IoT, Key Components of IoT (Sensors, Actuators, Devices). IoT Ecosystems and Architecture, Conceptual Framework

March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	Common Applications of IoT. Modified OSI Model for IoT/M2M Systems, M2M Vs IoT.
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	IoT Networking Technologies: NFC, RFID, Bluetooth BR/EDR and Bluetooth Low Energy, Zigbee, WiFi.
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	IoT Communication Technologies & Security Issues: Constrained Nodes, Constrained Networks
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Types of Constrained Devices, Low Power and Lossy Networks.
31 March, 2026	Mahavir Jayanti

April, 2026 1 st Week 1 April – 4 April	Security Issues and Challenges in IoT. IoT Protocols – 6LoWPAN, QUIC Protocol
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Data Protocols - MQTT, MQTT-SN, CoAP, AMQP.
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	Introduction to Arduino and Raspberry Pi Boards.
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Revision of Unit I & II
May, 2026 1 st Week 1 May – 2 May 2026	Revision of Unit III
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Revision of Unit IV
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha

Class – M.Sc. First year

Subject – Data Communications

Paper – M24-CSE-202

3rd Week 12 Jan – 17 Jan	Introduction to networks: overview of computer networks, network architectures (Layered model, OSI model/IP Model), network protocols and services.
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	Network Applications: File sharing (client-server, peer-to peer), web services (HTTP, web servers, caching), content delivery networks (CDNs), distributed applications.
23 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi
25 Jan, 2026	Sunday
26 Jan, 2026	Republic Day
5th Week 27 Jan – 31 Jan	Network Devices: Network Interface Cards (NICs), hubs, switches, routers, gateways, firewalls, modems, wireless access points.
February, 2026 1st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Network Media: Guided media (coaxial cable, twisted-pair, fiber optic), wireless media (radio waves, WI-FI, cellular networks).
8 Feb, 2026	Sunday
2nd Week 9 Feb - 14 Feb	Data Communication concepts: digital and analog signals, asynchronous and synchronous transmission in real-world scenarios.
15 Feb, 2026	Maha Shivratri , Sunday
3rd Week 16 Feb - 21 Feb	Network Performance: Metrics (bandwidth, latency, throughput, packet loss), factors affecting performance (bottlenecks, congestion, network impairments), Quality of Service (QoS); Command-Line Tools to measure network performance.
22 Feb, 2026	Sunday
4th Week 23 Feb - 28 Feb	Data Encoding & Modulation Techniques: NRZ, NRZ-I, Manchester and Differential Manchester encoding; 4B/5B; Pulse Code Modulation & Delta Modulation; Digital to Analog encoding. Switching and Bandwidth Utilization: Circuit vs. packet switching and their application in real-world networks (voice calls vs. data transfer).

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha
Class – M.Sc. First year
Subject – Data Communications
Paper – M24-CSE-202

March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	Wired Networks and the Local Loop: wired technologies (ADSL, Cable) used for internet access; Fiber-to-the-Home Broadband. 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.
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Network Layer: Logical addressing (IP addresses, subnetting, CIDR), routing protocols (distance vector, link state, hierarchical, Multicast Routing, Routing for mobile hosts).
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	IPv4 and IPv6: Structure and addressing schemes of IPv4 and IPv6; Virtual LANs (VLANs): Concept, configurations, benefits for network management and security.
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Transport Layer: Protocols (TCP, UDP), connection-oriented vs. connectionless services, port numbers, reliable data transfer with TCP (three-way handshake, flow control, congestion control).
31 March, 2026	Mahavir Jayanti

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha

Class – M.Sc. First year

Subject – Data Communications

Paper – M24-CSE-202

April, 2026 1 st Week 1 April – 4 April	Network Management: Simple Network Management Protocol (SNMP), network monitoring tools.
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Emerging Network Technologies: Software-Defined Networking (SDN), Internet of Things (IoT), network function virtualization (NFV).
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	Introduction to Example Networks: The Internet - conceptual framework and common services.
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Wide Area Networks (WAN) Technologies: X.25.
May, 2026 1 st Week 1 May – 2 May 2026	Frame Relay, Asynchronous Transfer Mode (ATM).
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	MPLS.
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha

Class – M.Sc II

Subject – Security in Computing

Paper – M24-CSE-409

3rd Week 12 Jan – 17 Jan	Computer Security Concepts, Threats, Attacks and Assets, Security Functional Requirements, Security Architecture and Scope of Computer Security.
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	Computer Security Trends and Strategies. Cryptography: Terminology and Background, Substitution Ciphers, Transpositions, Cryptanalysis.
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5th Week 27 Jan – 31 Jan	Program Security: Secure Program, Non-malicious Program Error, Viruses and other Malicious Code, Targeted Malicious Code, Control against Program Threats.

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha
Class – M.Sc II
Subject – Security in Computing
Paper – M24-CSE-409

February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti, Sunday
2 Feb – 7 Feb	Database Security: Database Management System, Relational Databases, Database Access Control, Inference, Security Requirements, Reliability and Integrity, Sensitive Data, Database Encryption.
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Network Security: Threats in Network, Network Security Controls, and Firewall – Need for Firewall, Characteristics, Types of Firewall, Firewall Basing, Intrusion Detection System – Types, Goals of IDS, IDS strengths and Limitations.
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	Internet Security Protocols and Standards: Secure Socket Layer (SSL) and Transport Layer Security (TLS), IPv4 and IPv6 Security, Kerberos, X.509, Public Key Infrastructure.
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Linux Security Model, File System Security, Linux Vulnerability, Linux System Hardening, Application Security.

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha

Class – M.Sc II

Subject – Security in Computing

Paper – M24-CSE-409

March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	Window security architecture, Windows Vulnerability.
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Windows Security Defense, Browser Defenses.
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Physical Security Threats, Physical Prevention and Mitigation Measures,
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Recovery form physical. Security Breaches,
31 March, 2026	Mahavir Jayanti

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha

Class – M.Sc II

Subject – Security in Computing

Paper – M24-CSE-409

April, 2026 1 st Week 1 April – 4 April	Security Auditing Architecture, Security Audit Trails
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Security assessment, Security controls or Safeguard.
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	IT Security Plan, Implementation of Controls,
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Cybercrime
May, 2026 1 st Week 1 May – 2 May 2026	Computer Crime, Intellectual Property,
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Privacy, Ethical Issues.
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha

Class – B.Sc.+ B.A. I(Major)

Subject – Computer Networks

Paper – B23-CSE-601

3rd Week 12 Jan – 17 Jan	Introduction to Computer Networks: Overview of computer networks, types of networks (LAN, WAN, MAN).
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	Network topologies, and Network Models (OSI and TCP/IP).
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5th Week 27 Jan – 31 Jan	Physical Layer: Data transmission methods, signal encoding techniques, transmission media, and network devices (hubs, switches, routers).
February, 2026 1st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Data Link Layer: Error detection and correction, flow control.
8 Feb, 2026	Sunday
2nd Week 9 Feb - 14 Feb	MAC protocols, Ethernet, and switching.
15 Feb, 2026	Maha Shivratri , Sunday
3rd Week 16 Feb - 21 Feb	Network Layer: IP addressing and subnetting, routing algorithms.
22 Feb, 2026	Sunday
4th Week 23 Feb - 28 Feb	IPv4 vs. IPv6, and ARP.

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha
Class – B.Sc.+ B.A. I(Major)
Subject – Computer Networks
Paper – B23-CSE-601

March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	Transport Layer: Transport layer protocols (TCP, UDP).
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Congestion control, and quality of service (QoS).
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Application Layer: Application layer protocols (HTTP, FTP, DNS, SMTP).
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Web services, and network applications.
31 March, 2026	Mahavir Jayanti

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha
Class – B.Sc.+ B.A. I(Major)
Subject – Computer Networks
Paper – B23-CSE-601

April, 2026 1st Week 1 April – 4 April	Network Security: Fundamentals of network security, cryptography.
5 April, 2026	Sunday
2nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3rd Week 13 April - 18 April	firewalls, VPNs.
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4th Week 20 April - 25 April	Intrusion detection systems (IDS).
26 April, 2026	Sunday
5th Week 27 April - 30 April	Wireless Networks: Wireless communication principles.

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha

Class – B.Sc.+ B.A. I(Major)

Subject – Computer Networks

Paper – B23-CSE-601

May, 2026 1st Week 1 May – 2 May 2026	Wi-Fi, Bluetooth.
3 May, 2026	Sunday
2nd Week 4 May- 5 May	Mobile networks, and ad hoc networks.
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha
Class – B.Sc. I Physical Sciences (SFS)
Subject – Cloud Computing
Paper – B23-SEC-201

3rd Week 12 Jan – 17 Jan	Basic Concepts of Cloud Computing, Computer Network Basics.
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	Concepts of Distributed Systems.
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5th Week 27 Jan – 31 Jan	Concepts of Cloud Computing and its Necessity, Cloud Service Providers in use and their Significance.
February, 2026 1st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Cloud Infrastructure.
8 Feb, 2026	Sunday
2nd Week 9 Feb - 14 Feb	Cloud Pros and Cons.
15 Feb, 2026	Maha Shivratri , Sunday
3rd Week 16 Feb - 21 Feb	Cloud Delivery Models.
22 Feb, 2026	Sunday
4th Week 23 Feb - 28 Feb	Cloud Deployment Models.

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha
Class – B.Sc. I Physical Sciences (SFS)
Subject – Cloud Computing
Paper – B23-SEC-201

March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	Cloud Storage Management, Concept of Virtualization and Load Balancing.
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Overview on Virtualization used for Enterprise Solutions.
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Key Challenges in managing Information.
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Identifying the problems of scale and management in big data.
31 March, 2026	Mahavir Jayanti

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha
Class – B.Sc. I Physical Sciences (SFS)
Subject – Cloud Computing
Paper – B23-SEC-201

April, 2026 1 st Week 1 April – 4 April	Building Cloud Networks,
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Designing a Data Center-Based Cloud,
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	Implementing a Data Center-Based Cloud,
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Installing Open Source Cloud service,
May, 2026 1 st Week 1 May – 2 May 2026	Amazon Web Services (AWS),
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Google Cloud Platform.
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha

Class – B.COM I(SEC-B)

Subject – Cloud Computing

Paper – B23-SEC-201

3 rd Week 12 Jan – 17 Jan	Basic Concepts of Cloud Computing, Computer Network Basics.
18 Jan, 2026	Sunday
4 th Week 19 Jan – 24 Jan	Concepts of Distributed Systems.
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi 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.
February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Cloud Infrastructure.
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Cloud Pros and Cons.
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	Cloud Delivery Models.
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Cloud Deployment Models.

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha

Class – B.COM I(SEC-B)

Subject – Cloud Computing

Paper – B23-SEC-201

March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	Cloud Storage Management, Concept of Virtualization and Load Balancing.
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Overview on Virtualization used for Enterprise Solutions.
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Key Challenges in managing Information.
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Identifying the problems of scale and management in big data.
31 March, 2026	Mahavir Jayanti

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha

Class – B.COM I(SEC-B)

Subject – Cloud Computing

Paper – B23-SEC-201

April, 2026 1 st Week 1 April – 4 April	Building Cloud Networks,
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Designing a Data Center-Based Cloud,
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	Implementing a Data Center-Based Cloud,
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Installing Open Source Cloud service,
May, 2026 1 st Week 1 May – 2 May 2026	Amazon Web Services (AWS),
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Google Cloud Platform.
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha

Class – B.Sc. III(Minor)

Subject – Introduction to DBMS

Paper – B23-CSE-607

3 rd Week 12 Jan – 17 Jan	Database Management System – Introduction and Purpose.
18 Jan, 2026	Sunday
4 th Week 19 Jan – 24 Jan	Database Architectures: Centralized, Client-Server, Parallel, Distributed.
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5 th Week 27 Jan – 31 Jan	Web based system: Web architecture (2 tier, 3 tiers, N-tier Architecture).
February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Database Storage Structures: Introduction, Indexing.
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Hashing, Data Dictionary.
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	Data Models: Introduction to various data models,
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Cardinality Ratio & Relationships, Representation of entities.

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha
Class – B.Sc. III(Minor)
Subject – Introduction to DBMS
Paper – B23-CSE-607

March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	Attributes, relationship attributes, relationship set, Generalization.
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Aggregation, Structure of relational Database and different types of keys.
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Codd's rules and Relational data model.
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Relational Database design: Basic System Development Life Cycle.
31 March, 2026	Mahavir Jayanti

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Megha

Class – B.Sc. III(Minor)

Subject – Introduction to DBMS

Paper – B23-CSE-607

April, 2026 1 st Week 1 April – 4 April	Database Design – ER to Relational, Functional dependencies.
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Normalization.
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	Normal forms based on primary keys (1NF, 2NF, 3NF).
26 April, 2026	Sunday
5 th Week 27 April - 30 April	SQL queries: SQL data definition, data type.
May, 2026 1 st Week 1 May – 2 May 2026	Specifying constraints, Queries for retrieval.
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Insertion, deletion, updation, introduction to views.
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Gurcharan Kaur

Class – B.Sc+B.A (CS Major) - IInd Semester Physical Science (SFS)

Subject – Computer Science

Paper – Web Development (B23-CSE-201)

3rd Week 12 Jan – 17 Jan	Introduction to Internet and World Wide Web (WWW)
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	Evolution and History of World Wide Web, Web Pages and Contents
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5th Week 27 Jan – 31 Jan	Web Clients, Web Servers, Web Browsers; Hypertext Transfer Protocol, URLs; Searching, Search Engines and Search Tools.

February, 2026 1st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Web Publishing: Hosting website; Internet Service Provider; Planning and designing website Assignment- I
8 Feb, 2026	Sunday
2nd Week 9 Feb - 14 Feb	Web Graphics Design, Steps For Developing website
15 Feb, 2026	Maha Shivratri , Sunday
3rd Week 16 Feb - 21 Feb	Creating a Website and Introduction to Markup Languages (HTML and DHTML), HTML Document Features & Fundamentals Class Test-I
22 Feb, 2026	Sunday
4th Week 23 Feb - 28 Feb	HTML Elements, Creating Links; Headers; Text styles; Text Structuring; Text colour and Background; Formatting text; Page layouts, Images; Ordered and Unordered lists; Inserting Graphics

March, 2026 1st Week 1 March – 8 March	Holi Break
2nd Week 9 March – 14 March	Table Creation and Layouts; Frame Creation and Layouts Assignment-II
15 March, 2026	Sunday
3rd Week 16 March – 20 March	Working with Forms and Menus; Working with Radio Buttons; Check Boxes; Text Boxes, HTML5.
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4th Week 24 March – 28 March	Introduction to CSS (Cascading Style Sheets): Features, Core Syntax, Types, Style Sheets and HTML, Class Test-II
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5th Week 30 March	Style Rule Cascading and Inheritance, Text Properties, CSS Box Model,
31 March, 2026	Mahavir Jayanti

April, 2026 1st Week 1 April – 4 April	Normal Flow Box Layout, Positioning, and other useful Style Properties; Features of CSS3.
5 April, 2026	Sunday
2nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3rd Week 13 April - 18 April	The Nature of JavaScript: Evolution of Scripting Languages, JavaScript Definition, Programming for Non-Programmers,
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4th Week 20 April - 25 April	Introduction to Client–Side Programming
26 April, 2026	Sunday
5th Week 27 April - 30 April	Enhancing HTML Documents with JavaScript. Static and Dynamic web pages

May, 2026 1st Week 1 May – 2 May 2026	Previous Year paper Discussed
3 May, 2026	Sunday
2nd Week 4 May- 5 May	Revision of Syllabus
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Gurcharan Kaur

Class – B.Sc IInd (CS Minor) Semester Physical Science (Aided)

Subject – Computer Science

Paper – Programming Methodologies (B23-CSE-203)

3rd Week 12 Jan – 17 Jan	Problem Solving: Understanding the problem
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	Analyzing the problem, and Identifying the solution.
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5th Week 27 Jan – 31 Jan	Tools for Problem-Solving: Flowcharts and its Symbols. Algorithm designing. Examples of Algorithms with flow chart.

February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Decision Table. Assignment -I
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Program: Concept of a program, Need for writing programs
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	Characteristics of a good program Class Test-I
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Programming style, Documentation, and Program Maintenance.

March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	Debugging Programs: Syntax Errors, Run-Time Errors, Logical Errors.
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Process of conceptualizing a solution to a problem and moving from algorithm to programming. Assignment-II
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	General Concepts: Clarity and Simplicity of Expressions, Use of proper names for Identifiers, Comments, Indentation; and Documentation.
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March, 2026	Programming Constructs: Sequence, Selection, and Iteration; Simulation (dry run) of the program for better understanding of algorithm. Class Test-II
31 March, 2026	Mahavir Jayanti

April, 2026 1st Week 1 April – 4 April	Comparison and Analysis of Algorithms through simulations.
5 April, 2026	Sunday
2nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3rd Week 13 April - 18 April	Methodologies: Structured programming, Top-down approach, Bottom-up approach
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4th Week 20 April - 25 April	Functional programming, Modular programming
26 April, 2026	Sunday
5th Week 27 April - 30 April	Object-oriented programming.

May, 2026 1st Week 1 May – 2 May 2026	Previous Year paper Discussed
3 May, 2026	Sunday
2nd Week 4 May- 5 May	Revision of Syllabus
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Gurcharan Kaur

Class – B.Sc IVth (CS Major+ Minor) Semester Physical Science (Aided+SFS)

Subject – Computer Science

Paper – Fundamentals of E-Commerce (B23-VOC-231)

3rd Week 12 Jan – 17 Jan	E-Commerce concept, history
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	Organizing themes, e-commerce business models.
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5th Week 27 Jan – 31 Jan	The internet, concept, INTRANET, WWW, TECHNOLOGIES

February, 2026 1st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Building an e-commerce website
8 Feb, 2026	Sunday
2nd Week 9 Feb - 14 Feb	E-commerce website design, role of website B2C ecommerce.
15 Feb, 2026	Maha Shivratri , Sunday
3rd Week 16 Feb - 21 Feb	A Systematic approach, e commerce security environment, and security threads, technology solution.
22 Feb, 2026	Sunday
4th Week 23 Feb - 28 Feb	Management policies, business procedures, and public laws, website strategies.

March, 2026 1st Week 1 March – 8 March	Holi Break
2nd Week 9 March – 14 March	Web design principles, push and pull technologies, alternative methods of customer communication.
15 March, 2026	Sunday
3rd Week 16 March – 20 March	E-Marketing, scope and technique, traditional web promotion, web counters.
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4th Week 24 March – 28 March	Web advertisements, issues and technologies, role of social media ,E-commerce customer, strategies for purchasing an support activities.
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5th Week 30 March	Planning for e-commerce and its initiates, pros and cons of online shopping, marketing creating website, electronic publishing issues, approaches and technologies.
31 March, 2026	Mahavir Jayanti

April, 2026 1st Week 1 April – 4 April	EP and web based EP, Electronic Payment system, electronic billing and payment.
5 April, 2026	Sunday
2nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3rd Week 13 April - 18 April	Special features required in payment system for ecommerce, e-payment system, Types e-cash, & currency servers, E-cheques,
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4th Week 20 April - 25 April	Credit cards, smart cards, electronic purses and debit cards. UPI Payments, e-Wallets, Master cards/visa, secure electronic transaction: introduction, business requirements, concepts, payment processing
26 April, 2026	Sunday
5th Week 27 April - 30 April	Issues in e-commerce, Ethical, social and political issues, Basic ethical concept, analyzing ethical dilemmas, ethical principles, privacy and information rights.

May, 2026 1st Week 1 May – 2 May 2026	Information collected at e-commerce websites, concept of privacy, legal protections, intellectual property rights types and governance.
3 May, 2026	Sunday
2nd Week 4 May- 5 May	Revision of Syllabus
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Ms Gurcharan KAur

Class – M.Com IVth Semester

Subject – IT Applications in Business

Paper – M24-COM-401

3rd Week 12 Jan – 17 Jan	Productivity Applications: Word Processor Meaning
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	MS Word Introduction , Features
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5th Week 27 Jan – 31 Jan	Google Docs, Libra Office

February, 2026 1st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Spreadsheet-Ms Excel, Google Sheets
8 Feb, 2026	Sunday
2nd Week 9 Feb - 14 Feb	Assignment-I Class Test-I
15 Feb, 2026	Maha Shivratri , Sunday
3rd Week 16 Feb - 21 Feb	Presentation Software- Power Point, Google Slides.
22 Feb, 2026	Sunday
4th Week 23 Feb - 28 Feb	Communication and Collaboration Tools: Email

March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	Communication and Collaboration Tools :Calendar Applications
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Online Meeting- Google Meet, Zoom, Microsoft Teams Slack,etc.
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Cloud Storage and Collaboration- use of google Drive, one drive, etc.
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March, 2026	Storage and resource sharing
31 March, 2026	Mahavir Jayanti

April, 2026 1st Week 1 April – 4 April	Marking Tools: Youtube, Facebook, Instagram, Snapchat, etc.
5 April, 2026	Sunday
2nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3rd Week 13 April - 18 April	Resources making a channel/page, promoting channel/page.
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4th Week 20 April - 25 April	Blogging- Wordpress, Blogger, etc. Tools for blogging.
26 April, 2026	Sunday
5th Week 27 April - 30 April	AI Tools: Chat GPT, Gemini, Microsoft Copilot, Rephrasing tools, Grammarly.

May, 2026 1st Week 1 May – 2 May 2026	Tools for making websites and apps, making CV using AI Tools.
3 May, 2026	Sunday
2nd Week 4 May- 5 May	Revision of Syllabus
6 May, 2026 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN, KARNAL

Lesson Plan for the Even Semester (January to May, 2026)

Name of the Teacher – Dr. Saumya Kumar

Class – BCA 3rd Year (VI Sem)

Subject – Advanced Web Development

Paper – B23-CAP-602

3 rd Week 12 Jan – 17 Jan	Advanced Front-End Development: Advanced HTML5 & CSS3: Semantic HTML
18 Jan, 2026	Sunday
4 th Week 19 Jan – 24 Jan	CSS Grid and Flexbox, CSS Preprocessors (Sass/LESS)
23 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi
25 Jan, 2026	Sunday
26 Jan, 2026	Republic Day
5 th Week 27 Jan – 31 Jan	JavaScript ES6+: Advanced JavaScript concepts (Promises, Async/Await)
February, 2026	
1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	ES6+ features (Arrow functions, Template literals, Destructuring)
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Front-End Frameworks: Introduction to React
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	Angular, Componentbased architecture, State management with Redux
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Advanced Back-End Development: Server-Side Programming: Express.js
March, 2026	
1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	GraphQL, Middleware, and Authentication (JWT, OAuth)

15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Database Management: Advanced SQL concepts, NoSQL databases (Firestore), ORMs (Sequelize)
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Full-Stack Development: Integrating Front-End and Back-End: Building a full-stack application
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March 2026	Handling asynchronous operations, Real-time applications with WebSockets
31 March, 2026	Mahavir Jayanti
April, 2026 1 st Week 1 April – 4 April	Performance Optimization: Code splitting and lazy loading
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Caching strategies, Optimizing images and assets
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	Deployment and DevOps: Deployment Strategies: CI/CD pipelines, Containerization with Docker
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Deployment platforms (Heroku, AWS, Netlify)
May, 2026 1 st Week 1 May – 2 May 2026	DevOps and Monitoring: Infrastructure as code (Terraform, Ansible)
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Monitoring and logging (Prometheus, Grafana) and Revision
6 May, 2026 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN, KARNAL

Lesson Plan for the Even Semester (January to May, 2026)

Name of the Teacher – Dr. Saumya Kumar

Class – BCA 2nd Year (IV Sem)

Subject – Front-end Development

Paper – B23-CAP-402

3 rd Week 12 Jan – 17 Jan	Objects in JavaScript: Introduction to objects, Type of objects in JavaScript.
18 Jan, 2026	Sunday
4 th Week 19 Jan – 24 Jan	Creating objects, Object methods, Constructor function
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5 th Week 27 Jan – 31 Jan	Prototype in JavaScript, Inheritance using prototype chain
February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Regular Expressions: Introduction to RegExp, Regular expression usage
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Modifiers, RegExp patterns, RegExp methods
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	String methods for RegExp, Type conversion in JavaScript
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Event handling: JavaScript events, Event handler, Event flow
March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	Event bubbling and capturing, Event listeners, Event types
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Document Object Model (DOM): Introduction to DOM

21 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
22 March, 2026	
23 March, 2026	
4 th Week 24 March – 28 March	Types of DOM, DOM standards and methods
26 March, 2026	Ram Navmi Sunday
29 March, 2026	
5 th Week 30 March 2026	Manipulating documents using DOM, Handling images, Table manipulation, Animation, Node and Node-list handling
31 March, 2026	Mahavir Jayanti
April, 2026 1 st Week 1 April – 4 April	Browser Object Model (BOM): Introduction to BOM, DOM vs BOM differences
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Window object and methods, BOM navigator, BOM history.
14 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
19 April, 2026	
4 th Week 20 April - 25 April	BOM location, BOM timer, Introduction to Cookies , Session and persistent cookies.
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Form Handling: Introduction to forms, Form processing, Forms object, Accessing data from ,Form validation, Additional features in forms, Validation APIs
May, 2026 1 st Week 1 May – 2 May 2026	Introduction to jQuery: jQuery Syntax, jQuery Selectors, jQuery Events, jQuery Effects
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	jQuery HTML, jQuery Traversing, jQuery AJAX, jQuery Misc
6 May, 2026 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN, KARNAL

Lesson Plan for the Even Semester (January to May, 2026)

Name of the Teacher –Tarjeet Kaur

Class – BCA 6th Sem

Subject – Basics of Data Science using Python

Paper – B23-CAP-604

3 rd Week 12 Jan – 17 Jan	Introduction to Data Science: Definition, importance, and applications.
18 Jan, 2026	Sunday
4 th Week 19 Jan – 24 Jan	Overview of Python: Python programming basics, data types, and structures..
23 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi
25 Jan, 2026	Sunday
26 Jan, 2026	Republic Day
5 th Week 27 Jan – 31 Jan	Introduction to Python Libraries: NumPy
February, 2026	
1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Introduction to pandas, and matplotlib
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Basic Data Manipulation: Reading and writing data files, basic operations with pandas DataFrame
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	Data Import and Export: Handling CSV, Excel, and other file formats.
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Data Cleaning Techniques: Handling missing values, duplicates, and data inconsistencies.

March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	Data Transformation: Data type conversion, normalization, and scaling.
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Data Visualization: Creating and customizing plots using matplotlib and Seaborn
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Descriptive Statistics: Calculating mean, median, mode, standard deviation, and variance using pandas.
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Inferential Statistics: Conducting hypothesis testing, t-tests, and chi-square tests.
31 March, 2026	Mahavir Jayanti
April, 2026 1 st Week 1 April – 4 April	Regression Analysis: Implementing simple linear regression and multiple regression using scikit-learn.
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Predictive Modeling: Introduction to basic predictive models such as decision trees and logistic regression.
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	Advanced Python Libraries: Exploring advanced pandas, NumPy, and scikit-learn features.
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Data Analysis Tools: Time series analysis, clustering, and classification using scikit-learn.
May, 2026 1 st Week 1 May – 2 May 2026	What-If Analysis Tools: Sensitivity analysis and scenario analysis using Python.
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Revision and Test
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher –Tarjeet Kaur

Class – M.Sc-2nd Sem

Subject – Advanced Database Systems

Paper – M24-CSE-203

3 rd Week 12 Jan – 17 Jan	Understand the fundamental concepts of database systems, including DBMS architecture
18 Jan, 2026	Sunday
4 th Week 19 Jan – 24 Jan	E-R and EER models, and their role in designing robust database schemas.
23 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi
25 Jan, 2026	Sunday
26 Jan, 2026	Republic Day
5 th Week 27 Jan – 31 Jan	EER models and constraints.
February, 2026	
1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	EER role in designing robust database schemas
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Revision and advance DBMS Concepts.
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	Demonstrate proficiency in SQL and PL/SQL for database management
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	SQL Commands.

March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	constraints, triggers
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Relational Database design through normalization techniques up to 5NF and DKNF.
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Normalization and Functional Dependencies.
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Analyze query processing and optimization. .
31 March, 2026	Mahavir Jayanti
April, 2026 1 st Week 1 April – 4 April	optimize transactions, and apply concurrency control techniques while ensuring reliable database backup and recovery
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	concurrency control techniques while ensuring reliable database backup and recovery
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	Revision and Test
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Evaluate advanced database architectures and applications, including distributed, parallel.
May, 2026 1 st Week 1 May – 2 May 2026	temporal, spatial, multimedia, and mobile databases, as well as XML
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	OLAP concepts.
6 May, 2026 Onwards	University Examinations

KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN, KARNAL

Lesson Plan for the Even Semester (January to May, 2026)

Name of the Teacher –Tarjeet Kaur

Class – M.Sc-4th Sem

Subject – Computer Graphics and Animation

Paper – M24-CSE-402

3 rd Week 12 Jan – 17 Jan	Overview of Computer Graphics, its functions & elements; Introduction to GUI
18 Jan, 2026	Sunday
4 th Week 19 Jan – 24 Jan	Computer Vision, Augmented Reality and other Applications of Graphics; Popular Graphics Software; Components and Working of Interactive
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5 th Week 27 Jan – 31 Jan	Graphics; Raster Scan and Random Scan systems and Display Processors; Look-up table
February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Loading the Frame Buffer; Coordinate Systems.
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Graphics Devices: Display Technologies: Resolution, Aspect Ratio, Refresh CRT, Color CRT, Flat Panel Displays; Interactive Input Devices for Graphics, Image and Video Input Devices
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	Scan Conversion: Drawing Geometry; Output Primitives; Lines and Pixel Graphics; Anti Aliasing
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Scan Converting Lines: DDA line drawing algorithms, Bresenham's line Algorithm;

March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	Converting Circles: Polynomial method for circle drawing, circle drawing using polar coordinates,
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Bresenham's circle drawing; Algorithms for Generation of ellipse; Line Styles; Generation of Bar
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Curve Representation: Parametric Curves, Parametric Representation of a Circle, Parametric representation of cubic curves, drawing Bezier curves. Filled-Area Primitives: Basic Stack based fill algorithms: Flood fill algorithm, Boundary fill algorithm; Scan-line polygon fill algorithm and its computational structures.
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Two-Dimensional Transformations: Coordinate and Geometric Transformations; Translation, Rotation, Scaling; Matrix representations and Homogeneous coordinates, Composite transformations. General Pivot Point rotation, General Fixed Point Scaling, Shearing; Reflection ;Reflection about an arbitrary line.
31 March, 2026	Mahavir Jayanti
April, 2026 1 st Week 1 April – 4 April	2-D Viewing: Viewing pipeline; Window, Viewport, Window-to-Viewport transformation; Zooming, Panning; Pointing and Positioning techniques; Rubber band technique; Dragging. Point and Line clipping, Cohen-Sutherland line clipping, Mid-Point Subdivision line clipping, Liang-Barsky line clipping, Sutherland-Hodgman polygon clipping Weiler-Atherton polygon clipping.
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	3-D Graphics & Modeling: Visualization techniques for Realism; 3D Object Representation; Solid Model Representation Schemes; Euclidean Geometry methods: Regularized Boolean Set Operations, Primitive Instancing, Boundary Representations
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	Curved lines and surfaces, Sweep Representations, Spatial-Partitioning Representations - Octree representation, Constructive Solid Geometry;Procedural Methods: Fractals, Shape Grammars, Particle systems, Physically Based modeling, Visualization techniques; 3D transformations.
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Three-Dimensional Viewing: Viewing Pipeline; Parallel Projection: Orthographic and Oblique Projection; Perspective Projection.

May, 2026 1st Week 1 May – 2 May 2026	Visible-Surface Determination: Z-buffer, Depth-Sorting, Area Subdivision, BSP-Tree method; Ray casting.
3 May, 2026	Sunday
2nd Week 4 May- 5 May	Introduction to Animation: Designing of Animation Sequences; Key-Frame Systems; Animation Techniques: Tweening, Morphing.
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher – Tarjeet Kaur

Class – B.Com 2nd Sem

Subject – Cloud Computing Skills

Paper – B23-SEC-201

3 rd Week 12 Jan – 17 Jan	Unit-1 Basic Concepts of Cloud Computing , Introduction
18 Jan, 2026	Sunday
4 th Week 19 Jan – 24 Jan	Computer Network Basics. Concepts of Distributed Systems. Concepts of Cloud Computing and its Necessity.
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5 th Week 27 Jan – 31 Jan	Cloud Service Providers in use and their Significance.
February, 2026 1 st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Unit-2 Cloud Infrastructure Cloud Pros and Cons.
8 Feb, 2026	Sunday
2 nd Week 9 Feb - 14 Feb	Cloud Delivery Models.
15 Feb, 2026	Maha Shivratri , Sunday
3 rd Week 16 Feb - 21 Feb	Cloud Deployment Models (SaaS,PaaS,IaaS)
22 Feb, 2026	Sunday
4 th Week 23 Feb - 28 Feb	Challenges in Cloud Computing, Future trends of cloud computing
March, 2026 1 st Week 1 March – 8 March	Holi Break

2 nd Week 9 March – 14 March	Unit-3 Cloud Storage Management Concept of Virtualization
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Load Balancing. Overview on Virtualization used for Enterprise Solutions.
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Key Challenges in managing Information. Identifying the problems of scale in big data
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Identifying the problems of management in big data.
31 March, 2026	Mahavir Jayanti
April, 2026 1 st Week 1 April – 4 April	Unit-4 Building Cloud Networks Designing
5 April, 2026	Sunday
2 nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3 rd Week 13 April - 18 April	Implementing a Data Center-Based Cloud Installing Open Source Cloud service.
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4 th Week 20 April - 25 April	Amazon Web Services (AWS).
26 April, 2026	Sunday
5 th Week 27 April - 30 April	Google Cloud Platform
May, 2026 1 st Week 1 May – 2 May 2026	Revision of the syllabus
3 May, 2026	Sunday
2 nd Week 4 May- 5 May	Previous Years Question Papers discussed Problem taken from students
6 May, 2026 Onwards	University Examinations

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**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher–Ms. Sukhwinder Kaur

Class – BCA III

Subject–Networking and ERP

Paper–B23-VOC-329

3rdWeek 12Jan–17 Jan	Computer Networks: Concept, goals application, types of computer networks and their topologies
18 Jan,2026	Sunday
4thWeek 19Jan–24 Jan	Network Design: Issues and protocols, Computer communication and networking models
23 Jan,2026 25 Jan,2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ BasantPanchmi Sunday Republic Day
5thWeek 27Jan–31 Jan	Communication service methods and data transmission modes, OSI reference model,

February,2026 1 st Week 1Feb, 2026	Guru RavidasJayanti,Sunday
2Feb– 7Feb	OSI service types, function of layers of OSI model,
8Feb, 2026	Sunday
2 nd Week 9Feb-14Feb	Physical Layer: Analog and digital communication concepts, Copper media, Fiber-optic media
15 Feb, 2026	MahaShivratri , Sunday
3 rd Week 16Feb-21 Feb	Wireless communication, Satellite communication: Speed and capacity of a communication channel
22Feb,2026	Sunday
4 th Week 23Feb-28Feb	Multiplexing, Switching, Data Link Layer: The IEEE and the data link layer

March,2026 1 st Week 1March – 8 March	Holi Break
2 nd Week 9 March– 14 March	Framing techniques, Flow control, MAC
15March, 2026	Sunday
3 rd Week 16March–20 March	Network H/W: Connectors, transceiver, repeater, Hub bridge, Switches, Routers gateway
21March, 2026 22March, 2026 23March, 2026	Id-ul-Fitr Sunday ShaheediDiwas / Martyrdom day of Bhagat Singh/Rajguru&Sukhdev
4 th Week 24March–28 March	Network hardware components, Network Layer: Overview, internetworking concepts, Routers and switches
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Routing protocol concepts Routing algorithms: Flooding, shortest path routing
31March, 2026	MahavirJayanti

April,2026 1 st Week 1April-4 April	Encryption method, Network security issue, Security threats
5April,2026	Sunday
2 nd Week 6 April-11April	Sessional Exams
12April,2026	Sunday
3 rd Week 13 April-18April	Enterprise: Concept and functions, Process approach to business, Types of information in business
14April,2026 19April,2026	Dr. B.R.AmbedkarJayanti/Vaisakhi ParshuramJayanti /AkshayTirtiya, Sunday
4 th Week 20April - 25 April	Systems approach to information management, Integrated data model, ERP: Concept, origin, need, reasons of growth
26April,2026	Sunday
5 th Week 27April - 30 April	ERP Technologies- Management information system, Decision support system,

May,2026^{1st} Week 1May – 2 May2026	Executive information system, Supply chain management system
3May,2026	Sunday
2ndWeek 4May-5May	ERP modules, implementing ERP solutions
6 May, 2026 Onwards	University Examinations

**KUMARIVIDYAVATI NANDD.A.V.COLLEGE FOR WOMEN,
KARNAL**

**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher–Ms. Sukhwinder Kaur

Class – BBA I

Subject–Cloud Computing

Paper–B23-SEC- 201

3rdWeek 12Jan–17 Jan	Basics of Cloud Computing, Computer Network Basics.
18 Jan,2026	Sunday
4thWeek 19Jan–24 Jan	Concepts of Distributed Systems. Concepts of Cloud Computing and its Necessity.
23 Jan,2026 25 Jan,2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ BasantPanchmi Sunday Republic Day
5thWeek 27Jan–31 Jan	Cloud Service Providers in use and their Significance.

February,2026 1 st Week 1Feb, 2026	Guru RavidasJayanti,Sunday
2Feb– 7Feb	Cloud Infrastructure, Cloud Pros and Cons.
8Feb, 2026	Sunday
2 nd Week 9Feb-14Feb	Cloud Delivery Modals, Cloud Deployment Models
15 Feb, 2026	MahaShivratri , Sunday
3 rd Week 16Feb-21 Feb	Cloud Storage Management Concepts of virtualization and Load Balancing.
22Feb,2026	Sunday
4 th Week 23Feb-28Feb	Overview on Virtualization used for Enterprise Solutions.

March,2026 1st Week 1March – 8 March	Holi Break
2ndWeek 9 March– 14 March	Key Challenges in managing Information. Identifying the Problems of scale and Management in big data
15March, 2026	Sunday
3rdWeek 16March–20 March	Building Cloud Networks Designing and Implementing a Data Center-Based Cloud Installing.
21March, 2026 22March, 2026 23March, 2026	Id-ul-Fitr Sunday ShaheediDiwas / Martyrdom day of Bhagat Singh/Rajguru&Sukhdev
4thWeek 24March–28 March	Open Source Cloud service.
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5thWeek 30 March	Amazon Web Services (AWS)
31March, 2026	MahavirJayanti

April,2026 1st Week 1April-4 April	Google Cloud Platform
5April,2026	Sunday
2ndWeek 6 April-11April	Sessional Exams
12April,2026	Sunday
3rdWeek 13 April-18April	Revision
14April,2026 19April,2026	Dr. B.R.AmbedkarJayanti/Vaisakhi ParshuramJayanti /AkshayTirtiya, Sunday
4thWeek 20April - 25 April	Revision
26April,2026	Sunday
5thWeek 27April - 30 April	Revision

May,20261st Week 1May – 2 May2026	Revision
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3May,2026	Sunday
2ndWeek 4May-5May	Revision
6 May, 2026 Onwards	University Examinations

**KUMARIVIDYAVATI NANDD.A.V.COLLEGE FOR WOMEN,
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**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher – Ms. Tamanna

Class – BCA III

Subject – Artificial Intelligence

Paper – B23-CAP-603

3rd Week 12 Jan – 17 Jan	Introduction to Artificial Intelligence, Importance of AI, AI and its related Field
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	AI Techniques, Criteria for success, Problem Space and Search
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5th Week 27 Jan – 31 Jan	Problem as a State Space Search, Production System and its Characteristics

February,2026 1 st Week 1Feb, 2026	Guru RavidasJayanti,Sunday
2Feb– 7Feb	Issues in the Design of the Search Problem, Heuristic search techniques: Generate and test
8Feb, 2026	Sunday
2 nd Week 9Feb-14Feb	Hill climbing, best first search technique
15 Feb, 2026	MahaShivratri , Sunday
3 rd Week 16Feb-21 Feb	Problem reduction, constraint satisfaction. Knowledge Representation: Definition and Importance of Knowledge
22Feb,2026	Sunday
4 th Week 23Feb-28Feb	Knowledge Representation, Various Approaches Used in Knowledge Representation

March,2026 1 st Week 1March – 8 March	Holi Break
2 nd Week 9 March– 14 March	Issues in Knowledge Representation. Using Predicate Logic: Representing Simple Facts in Logic, Representing Instances and is-a Relationship,
15March, 2026	Sunday
3 rd Week 16March–20 March	Computable Function and Predicate, Natural Language Processing: Introduction, Syntactic Processing
21March, 2026 22March, 2026 23March, 2026	Id-ul-Fitr Sunday ShaheediDiwas / Martyrdom day of Bhagat Singh/Rajguru&Sukhdev
4 th Week 24March–28 March	Semantic Processing, Discourse and Pragmatic Processing.
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Learning: Introduction to Learning, Rote Learning
31March, 2026	MahavirJayanti

April,2026 1st Week 1April-4 April	Learning by Taking Advice, Learning in Problem-Solving
5April,2026	Sunday
2ndWeek 6 April-11April	Sessional Exams
12April,2026	Sunday
3rdWeek 13 April-18April	Learning from Example- Induction, Explanation-Based Learning
14April,2026 19April,2026	Dr. B.R.AmbedkarJayanti/Vaisakhi ParshuramJayanti /AkshayTirtiya, Sunday
4thWeek 20April - 25 April	Expert System: Introduction
26April,2026	Sunday
5thWeek 27April - 30 April	Representing Using Domain-Specific Knowledge

May, 2026^{1st} Week 1 May – 2 May 2026	Expert System Shells
3 May, 2026	Sunday
2nd Week 4 May - 5 May	Revision
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
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**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher – Ms. Tamanna
Class – M.Sc I
Subject – Distributed Operating System
Paper – M24-CSE-204

3rd Week 12 Jan – 17 Jan	INTRODUCTION TO DISTRIBUTED-SYSTEMS: Definition and Characteristics. Design Goals-Resources Sharing, Transparency, Openness, Scalability. Types of Distributed Systems-High performance distributed computing systems
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	Distributed information systems, Distributed systems for pervasive computing. Architectural Models: Architectural Styles- Layered architecture, Object-Based & Service-oriented architecture, Resource based architecture, Publish-subscriber architecture.
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5th Week 27 Jan – 31 Jan	System Architecture: Client-Server architecture, Multi-Tiered architecture, Peer-to-Peer systems, Middleware and System Models

February, 2026 1st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Communication in Distributed Systems: Layered Protocols, Types of Communication, Remote Procedure Call-Basic RPC operation, Parameter passing. Remote method Invocation, Message-oriented communication.
8 Feb, 2026	Sunday
2nd Week 9 Feb - 14 Feb	Synchronization in Distributed Systems: Clock Synchronization- Need of synchronization.
15 Feb, 2026	Maha Shivratri , Sunday
3rd Week 16 Feb - 21 Feb	Cristian’s algorithm, Berkeley algorithm , Network time protocol, Logical Clocks- Lamport’s timestamps and vector clocks.
22 Feb, 2026	Sunday
4th Week 23 Feb - 28 Feb	Mutual Exclusion- Centralized algorithm, Ricart-Agrawala algorithm, Token-based algorithm.

March, 2026 1 st Week 1 March – 8 March	Holi Break
2 nd Week 9 March – 14 March	Coordination: Election Algorithm: Bully algorithm, Ring algorithm , applications in leader selection.
15 March, 2026	Sunday
3 rd Week 16 March – 20 March	Deadlock Handling: Characteristics of deadlocks in distributed systems, prevention, avoidance, detection and recovery
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4 th Week 24 March – 28 March	Distributed Transaction Processing: ACID properties, concurrency control techniques .
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5 th Week 30 March	Commit Protocols: Two-phase commit, three-phase commit, performance and failure recovery considerations.
31 March, 2026	Mahavir Jayanti

April, 2026 1st Week 1 April – 4 April	Distributed Scheduling and Load Balancing:Scheduling Strategies - Static vs dynamic scheduling,issues in load distributing,components of load distributing algorithm
5 April, 2026	Sunday
2nd Week 6 April – 11 April	Sessional Exams
12 April, 2026	Sunday
3rd Week 13 April – 18 April	Load distributing algorithms-Sender-Initiate algorithms,Receiver-Initiated algorithms,Symmetrically Initiated algorithms ,Adaptive algorithms.task migration,Issues in Task migration.
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4th Week 20 April – 25 April	Faliure Recovery and Fault Tolerance: Classification of failure,Backward and Forward Error Recovery, Approaches of Backward-Error Recovery-Operation-Based approach,State-based approach.Recovery in Concurrent
26 April, 2026	Sunday
5th Week 27 April - 30 April	systems,Synchronous and Asynchronous check-pointing and Recovery. Fault Tolerance:Issues,Commit protocols,Nonblocking Commit protocols,voting

May, 2026 1st Week 1 May – 2 May 2026	Revision Unit I and II
3 May, 2026	Sunday
2nd Week 4 May- 5 May	Revision Unit III and IV
6 May, 2026 Onwards	University Examinations

**KUMARI VIDYAVATI ANAND D.A.V. COLLEGE FOR WOMEN,
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**Lesson Plan for the Even Semester
(January to May, 2026)**

Name of the Teacher – Ms. Tamanna

Class – M.Sc I

Subject – Advanced Web Technologies

Paper – M24-CSE-201

3rd Week 12 Jan – 17 Jan	Basics of Front End Development: Overview of web development (Front End vs. Back End), Understanding the MERN stack and its components, Tools and environments (text editors, browsers, version control with Git).
18 Jan, 2026	Sunday
4th Week 19 Jan – 24 Jan	Basics of JavaScript: Introduction to JavaScript, Variables, data types, and operators, Control structures (if, else, switch, loops); Functions and Scope: Defining and invoking functions
23 Jan, 2026 25 Jan, 2026 26 Jan, 2026	Sir Chottu Ram Jayanti/ Basant Panchmi Sunday Republic Day
5th Week 27 Jan – 31 Jan	Function expressions and arrow functions, Scope and closures; Objects and Arrays: Creating and manipulating objects, Array methods and iteration; Event handling

February, 2026 1st Week 1 Feb, 2026	Guru Ravidas Jayanti , Sunday
2 Feb – 7 Feb	Introduction to React: Overview and advantages of React, Setting up a React development environment (using Create React App); JSX (JavaScript XML):
8 Feb, 2026	Sunday
2nd Week 9 Feb - 14 Feb	Understanding JSX syntax, Embedding expressions in JS, JSX best practices; Components and Props: Functional and class components, Props and component communication,
15 Feb, 2026	Maha Shivratri , Sunday
3rd Week 16 Feb - 21 Feb	Prop types and default props.; State and Lifecycle: Understanding state in React, State management in class components,
22 Feb, 2026	Sunday
4th Week 23 Feb - 28 Feb	Lifecycle methods (componentDidMount, componentDidUpdate, componentWillUnmount); Event Handling and Forms

March, 2026 1st Week 1 March – 8 March	Holi Break
2nd Week 9 March – 14 March	Introduction to Node JS: Node JS process model, Advantages, Traditional web server model. Setup Install Node.js on windows
15 March, 2026	Sunday
3rd Week 16 March – 20 March	REPL, Node JS console, Node JS modules, Events: Event Emitter class, inheriting events
21 March, 2026 22 March, 2026 23 March, 2026	Id-ul-Fitr Sunday Shaheedi Diwas / Martyrdom day of Bhagat Singh/Rajguru & Sukhdev
4th Week 24 March – 28 March	Node Package Manager, Building Web Servers: Creating a basic HTTP server, Handling HTTP requests and responses
26 March, 2026 29 March, 2026	Ram Navmi Sunday
5th Week 30 March	Understanding request methods (GET, POST, PUT, DELETE), Express.js Basics: Introduction to Express.js, Setting up Express projects
31 March, 2026	Mahavir Jayanti

April, 2026 1st Week 1 April – 4 April	Understanding routing and middleware. Using template engines (e.g., EJS) for server-side rendering
5 April, 2026	Sunday
2nd Week 6 April - 11 April	Sessional Exams
12 April, 2026	Sunday
3rd Week 13 April - 18 April	Designing RESTful APIs, CRUD operations, Structuring API routes.
14 April, 2026 19 April, 2026	Dr. B.R.Ambedkar Jayanti/Vaisakhi Parshuram Jayanti /Akshay Tirtiya , Sunday
4th Week 20 April - 25 April	Built-in middleware (e.g., body-parser), Creating custom middleware
26 April, 2026	Sunday
5th Week 27 April - 30 April	Error handling middleware. User authentication using JWT (JSON Web Tokens) and sessions.

May, 2026 1st Week 1 May – 2 May 2026	Revision Unit I and II
3 May, 2026	Sunday
2nd Week 4 May- 5 May	Revision Unit III and IV
6 May, 2026 Onwards	University Examinations