

Govt National College Sirsa

Lesson Plan Session 2025-2026

PGDCA. I Semester I

Teacher___ Miss Manjeet Kaur___

Subject___ Operating System -103

Name of the teacher: Miss Manjeet Kaur

Department-Computer Sc

Class: PGDCA-I- 1st Semester

Lesson plan for the month of **Aug-Dec**- as per Time Table-2025-26

Month	Week	Topic Covered
August-	4 th week 2023	Introductory Concepts: Operating systems functions and characteristics, operating system structure, operating system services, system calls, system programs.
September	1 st Week and 2 nd week 2023	Types of Operating system: Batch operating system, Time-sharing operating system, Distributed operating system, Real time systems, Process Management: Process concept, Process States, Process Control Block, Cooperating processes
	3 rd week and 4 th week	,CPU scheduling: Levels of Scheduling, Scheduling criteria, Comparative study of scheduling Algorithms - Assignment-1
October	1 st Week and 2 nd week	Multiple processor scheduling. Concurrent Processes: Critical section problem, Semaphores. Classical process co-ordination problems and their solutions, Monitors, Inter-process Communications. Mid Term Exam
	3 rd week and 4 th week (18-26 HOLIDAYS)	Deadlock: System model, Deadlock characterization, Methods for handling Deadlocks: Deadlock prevention, Deadlock avoidance, Deadlock detection, Recovery from Deadlock. Storage Management: Storage allocation methods: Single contiguous allocation, Multiple contiguous allocation
November	1 st Week and 2 nd week	Paging; Segmentation combination of Paging and Segmentation, Virtual memory concepts, Demand Paging, Page replacement Algorithms, Thrashing. Device and file management: Disk scheduling, Disk structure, Disk management. Assignment- 2
	3 rd week	File Systems: Functions of the system, File access and allocation methods, Directory Systems: Structured Organizations, directory and file protection mechanisms. Case Studies: Comparative study of WINDOW, UNIX, ANDROID & LINUX system. Viva-Voice Test
	4 th week	Revision of all syllabuses with Q.Ans. All Syllabus completed 100%

Signature of the Teacher

Govt National College Sirsa

Lesson Plan Session 2025-2026

BSC/BA/MD/CS/3/DSC/201

Teacher___ Miss Manjeet Kaur_____

Subject__ Object Oriented programming with C++

Name of the teacher: Miss Manjeet Kaur

Department-Computer Sc

Class: **DSC-B.SC (Physical Science)-II . Semester 3**

Lesson plan for the month of **Aug-Dec-** as per Time Table-2025-26

Month	Week	Topic Covered
August-	4 th week 2023	Introduction to Programming in C++: Concept of OOP, Programming Features of C++
September	1 st Week and 2 nd week 2023	concept of class and object, Data types and operators, Control Statements: Conditional Statements
	3 rd week and 4 th week	Loops, Data members and Member functions, Access specifiers, Static Data Members and static Member Functions - Assignment-1
October	1 st Week and 2 nd week	Inline Functions, Friend Function – Mid Term Exam
	3 rd week and 4 th week (18-26 HOLIDAYS)	Default, parameterized and copy constructors, function overloading, Operator Overloading: Overloading unary and binary operators.
November	1 st Week and 2 nd week	Inheritance: Introduction, Types of Inheritance: Single, Multiple, Multilevel, Hierarchical and Hybrid. Assignment- 2
	3 rd week	Polymorphism: compile-time and run time Polymorphism. . Viva-Voice Test
	4 th week	Revision of all syllabuses with Q.Ans. All Syllabus completed 100%

Signature of the Teacher

Govt National College Sirsa

Lesson Plan Session 2025-2026

CDLU/CS/1/MDC/101

Teacher___ Miss Manjeet Kaur_____

Subject___ Fundamental of Computer

Name of the teacher: Miss Manjeet Kaur

Department-Computer Sc

Class: **MDC-1 SEM**

Lesson plan for the month of **Aug-Dec-** as per Time Table-2025-26

Month	Week	Topic Covered
August-	4 th week 2023	Introduction to Computers: Definition and Characteristics of Computers, History and Generations of Computers
September	1 st Week and 2 nd week 2023	Types of Computers, and applications. Computer Hardware: Basic Components of a Computer (CPU, Memory, I/O Devices), Input Devices (Keyboard, Mouse, Scanner, Barcode Reader)
	3 rd week and 4 th week	Output Devices (Monitor, Printer, Projector), Storage Devices (Hard Disk, Pen Drive, CDs/DVDs) Assignment-1
October	1 st Week and 2 nd week	Computer Software: Types of Software (System vs. Application Software), Utility Software, Operating Systems, its Functions and Types (GUI vs. CLI). – Mid Term Exam
	3 rd week and 4 th week (18-26 HOLIDAYS)	System Settings: Setting Date, Time & Time Zone, Configuring Display Settings, Change Desktop Background & Icon
November	1 st Week and 2 nd week	Basic Software Tools: Using MS Paint, Notepad, WordPad, Installing Basic Drivers. Assignment- 2
	3 rd week	File Management: Creating, Renaming, and Organizing Folders, Copying, Moving, and Deleting Files- Viva-Voice Test
	4 th week	Revision of all syllabuses with Q.Ans. All Syllabus completed 100%

Signature of the Teacher

Govt National College Sirsa

Lesson Plan Session 2025-2026

CDLU/CS/1/SEC/102

Teacher___ Miss Manjeet Kaur___

Subject___ Web Designing with HTML

Name of the teacher: Miss Manjeet Kaur

Department-Computer Sc

Class: **SEC-1 SEM**

Lesson plan for the month of **Aug-Dec**- as per Time Table-2025-26

Month	Week	Topic Covered
August-	4 th week 2023	Introduction: World Wide Web, URL, Domain, Web Page and a Website, Internet Browser, Web Server, Search Engines,
September	1 st Week and 2 nd week 2023	Introduction to HTML: History of HTML, Basic structure of an HTML document, HTML Tag vs Element,
	3 rd week and 4 th week	HTML Attributes; HTML-Basic Formatting Tags, HTML-Lists: Unordered Lists, Ordered Lists, Marquee Elements, Assignment-1
October	1 st Week and 2 nd week	Working with Hyperlinks: Images and Multimedia— Mid Term Exam
	3 rd week and 4 th week (18-26 HOLIDAYS)	Tables and Frames , HTML-Table: < table >, <th>, < tr >, < td >, < caption >, <thead>, <tbody>, <tfoot>, <colgroup>, <col>; Colspan&Rowspan HTML-Iframe
November	1 st Week and 2 nd week	Working with Forms: HTML-Form: Form attributes Assignment- 2
	3 rd week	Form elements: < input >, <textarea>. < button >, < select >, < label >, <fieldset>, <legend>. Viva-Voice Test
	4 th week	Revision of all syllabuses with Q.Ans. All Syllabus completed 100%

Signature of the Teacher