

महाराणा प्रताप पी.जी. कालेज, जंगल धूसड़, गोरखपुर

LESSON PLAN (SESSION 2025-26)

CLASS:- B.C.A SEM:- IIIrd FACULTY NAME :- SHRUTI SHAHI

SUBJECT :- Operating System

S.No.	Date.	Day	Paper No.	Unit Name.	Topic.
1	16-Jul-25	Wednesday	201N	Introduction to O S	Introduction and need of Operating System
2	17-Jul-25	Thursday	201N	Introduction to O S	Introduction and need of Operating System
3	18-Jul-25	Friday	201N	Introduction to O S	Functions and services of OS
4	19-Jul-25	Saturday	201N	Introduction to O S	Functions and services of OS
5	21-Jul-25	Monday	201N	O S Classification	single user
	22-Jul-25	Tuesday	CLASS TEACHING		
6	23-Jul-25	Wednesday	201N	O S Classification	multi-user
7	24-Jul-25	Thursday	201N	O S Classification	simple batch processing
8	25-Jul-25	Friday	201N	O S Classification	Multiprogramming
9	26-Jul-25	Saturday	201N	O S Classification	Multitasking
10	28-Jul-25	Monday	201N	O S Classification	Parallel system
	29-Jul-25	Tuesday	MONTHLY EVALUATION		
11	30-Jul-25	Wednesday	201N	O S Classification	Distributed system
12	31-Jul-25	Thursday	201N	O S Classification	Real time system
13	1-Aug-25	Friday	201N	Process Management	Process Concept
14	2-Aug-25	Saturday	201N	Process Management	Process states
15	4-Aug-25	Monday	201N	Process Management	Process scheduling
	5-Aug-25	Tuesday	CLASS TEACHING		
16	6-Aug-25	Wednesday	201N	Process Management	Threads
17	7-Aug-25	Thursday	201N	Process Management	Inter-Process communication
18	8-Aug-25	Friday	201N	CPU Scheduling	Basic concepts
19	11-Aug-25	Monday	201N	CPU Scheduling	Scheduling Criteria
20	12-Aug-25	Tuesday	201N	Scheduling Algorithms	FIFO
	13-Aug-25	Wednesday	CLASS TEACHING		
21	14-Aug-25	Thursday	201N	Scheduling Algorithms	SJF
22	18-Aug-25	Monday	201N	Scheduling Algorithms	Priority
23	19-Aug-25	Tuesday	201N	Scheduling Algorithms	Round Robin
24	20-Aug-25	Wednesday	201N	Scheduling Algorithms	Multi level scheduling
25	21-Aug-25	Thursday	201N	Process Synchronization	Critical-Section Problem
	22-Aug-25	Friday	CLASS TEACHING		

26	23-Aug-25	Saturday	201N	Process Synchronization	Semaphores
27	25-Aug-25	Monday	201N	Process Synchronization	Monitors
28	26-Aug-25	Tuesday	201N	Process Synchronization	Hardware Assistance
29	27-Aug-25	Wednesday	201N	Deadlock	Deadlock Characteristics
30	28-Aug-25	Thursday	201N	Deadlock	Prevention, Avoidance
	29-Aug-25	Friday	MONTHLY EVALUATION		
31	30-Aug-25	Saturday	201N	Deadlock	Detection and Recovery
32	1-Sep-25	Monday	201N	Deadlock	Critical section
33	2-Sep-25	Tuesday	201N	Deadlock	Synchronization hardware
34	3-Sep-25	Wednesday	201N	Deadlock	Semaphores
35	4-Sep-25	Thursday	201N	Deadlock	Combined approach to deadlock handling
	6-Sep-25	Saturday	CLASS TEACHING		
36	8-Sep-25	Monday	201N	Memory Management	Logical Versus Physical addresses space
37	9-Sep-25	Tuesday	201N	Memory Management	Swapping Partition
38	10-Sep-25	Wednesday	201N	Memory Management	Contiguous Allocation
39	11-Sep-25	Thursday	201N	Memory Management	Single partition allocation
40	12-Sep-25	Friday	201N	Memory Management	Multiple partition allocation
	13-Sep-25	Saturday	CLASS TEACHING		
41	15-Sep-25	Monday	201N	Memory Management	Fragmentation
42	16-Sep-25	Tuesday	201N	Memory Management	paging and Segmentation
43	17-Sep-25	Wednesday	201N	Memory Management	concepts of Virtual Memory
44	18-Sep-25	Thursday	201N	Memory Management	Concept of Page Replacement
45	19-Sep-25	Friday	201N	Page Replacement Algorithms	FIFO page replacement algorithm
	20-Sep-25	Saturday	CLASS TEACHING		
46	22-Sep-25	Monday	201N	Page Replacement Algorithms	Optimal algorithm
47	23-Sep-25	Tuesday	201N	Page Replacement Algorithms	LRU page replacement algorithm
48	24-Sep-25	Wednesday	201N	Page Replacement Algorithms	Thrashing
49	25-Sep-25	Thursday	201N	Page Replacement Algorithms	Causes for thrashing
50	26-Sep-25	Friday	201N	Page Replacement Algorithms	Working set model
	27-Sep-25	Saturday	MONTHLY EVALUATION		
51	29-Sep-25	Monday	201N	Page Replacement Algorithms	Page fault frequency
52	30-Sep-25	Tuesday	201N	File Management and Security	File concept
53	3-Oct-25	Friday	201N	File Management and Security	Access methods

54	4-Oct-25	Saturday	201N	File Management and Security	Directory Structure
55	6-Oct-25	Monday	201N	File Management and Security	File protection
	7-Oct-25	Tuesday	CLASS TEACHING		
56	8-Oct-25	Wednesday	201N	Allocation methods	Contiguous
57	9-Oct-25	Thursday	201N	Allocation methods	Linked and index allocation
58	10-Oct-25	Friday	201N	Security	Authentication
59	11-Oct-25	Saturday	201N	Allocation methods	Program Threats
	13-Oct-25	Monday	MID - TERM EXAM SCHEDULE		
	14-Oct-25	Tuesday			
	15-Oct-25	Wednesday			
	16-Oct-25	Thursday			
	17-Oct-25	Friday			
	18-Oct-25	Saturday			
60	21-Oct-25	Tuesday	201N	Allocation methods	Contiguous
61	24-Oct-25	Friday	201N	Allocation methods	Linked and index allocation
62	25-Oct-25	Saturday	201N	Security	Authentication
63	27-Oct-25	Monday	201N	Security	Authentication
64	28-Oct-25	Tuesday	201N	Allocation methods	Program Threats
	29-Oct-25	Wednesday	CLASS TEACHING		
65	30-Oct-25	Thursday	201N	Allocation methods	Encryption
66	31-Oct-25	Friday	201N	Exam Preparation	Exam Preparation
67	1-Nov-25	Saturday	201N	Exam Preparation	Exam Preparation
68	3-Nov-25	Monday	201N	Exam Preparation	Exam Preparation
69	4-Nov-25	Tuesday	201N	Exam Preparation	Exam Preparation
	6-Nov-25	Thursday	CLASS TEACHING		
70	7-Nov-25	Friday	201N	REVISION	REVISION
71	8-Nov-25	Saturday	201N	REVISION	REVISION
72	10-Nov-25	Monday	201N	REVISION	REVISION
73	11-Nov-25	Tuesday	201N	REVISION	REVISION
74	12-Nov-25	Wednesday	201N	REVISION	REVISION
	13-Nov-25	Thursday	CLASS TEACHING		
75	14-Nov-25	Friday	201N	REVISION	REVISION
76	15-Nov-25	Saturday	201N	REVISION	REVISION