

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

LESSON PLAN (SESSION 2025-26)

CLASS:- B.S SEM:- 3 FACULTY NAME :- SHRUTI SHAHI

SUBJECT :- OPERATING SYSTEM(201 F)

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

18	8-Aug-25	Friday	1	UNIT 2: Process Management and CPU scheduling:	FIFO,
19	11-Aug-25	Monday	1	UNIT 2: Process Management and CPU scheduling:	FIFO,
20	12-Aug-25	Tuesday	1	UNIT 2: Process Management and CPU scheduling:	SJF
	13-Aug-25	Wednesday	CLASS TEACHING		
21	14-Aug-25	Thursday	1	UNIT 2: Process Management and CPU scheduling:	SJF
22	18-Aug-25	Monday	1	UNIT 2: Process Management and CPU scheduling:	Priority
23	19-Aug-25	Tuesday	1	UNIT 2: Process Management and CPU scheduling:	Priority
24	20-Aug-25	Wednesday	1	UNIT 2: Process Management and CPU scheduling:	Round Robin , Multi level scheduling algorithms.
25	21-Aug-25	Thursday	1	UNIT 2: Process Management and CPU scheduling:	Round Robin , Multi level scheduling algorithms.
	22-Aug-25	Friday	CLASS TEACHING		
26	23-Aug-25	Saturday	1	UNIT 3 : Process Synchronization and	Process Synchronization
27	25-Aug-25	Monday	1	UNIT 3 : Process Synchronization and	Process Synchronization, Critical-Section Problem,
28	26-Aug-25	Tuesday	1	UNIT 3 : Process Synchronization and	Semaphores, Monitors, Hardware Assistance,
29	27-Aug-25	Wednesday	1	UNIT 3 : Process Synchronization and	: Process Synchronization, Critical-Section Problem, Semaphores, Monitors,
30	28-Aug-25	Thursday	1	UNIT 3 : Process Synchronization and	Critical-Section Problem,
	29-Aug-25	Friday	MONTHLY EVALUATION		
31	30-Aug-25	Saturday	1	UNIT 3 : Process Synchronization and	Deadlock, Deadlock Characteristics,
32	1-Sep-25	Monday	1	UNIT 3 : Process Synchronization and	Deadlock, Deadlock Characteristics,
33	2-Sep-25	Tuesday	1	UNIT 3 : Process Synchronization and	Prevention, Avoidance, Detection and Recovery,
34	3-Sep-25	Wednesday	1	UNIT 3 : Process Synchronization and	critical section, Synchronization hardware, semaphores, combined
35	4-Sep-25	Thursday	1	UNIT 3 : Process Synchronization and	critical section, Synchronization hardware, semaphores, combined
	6-Sep-25	Saturday	CLASS TEACHING		
36	8-Sep-25	Monday	1	UNIT 4 : Memory Management:	Memory Management
37	9-Sep-25	Tuesday	1	UNIT 4 : Memory Management:	Memory Management
38	10-Sep-25	Wednesday	1	UNIT 4 : Memory Management:	Logical Versus Physical addresses space, Swapping Partition,

39	11-Sep-25	Thursday	1	UNIT 4 : Memory Management:	Contiguous Allocation, Single partition allocation, Multiple partition allocation,
40	12-Sep-25	Friday	1	UNIT 4 : Memory Management:	, Multiple partition allocation,
	13-Sep-25	Saturday	CLASS TEACHING		
41	15-Sep-25	Monday	1	UNIT 4 : Memory Management:	Fragmentation, paging and Segmentation,
42	16-Sep-25	Tuesday	1	UNIT 4 : Memory Management:	Concept of Page Replacement, Page Replacement Algorithms -
43	17-Sep-25	Wednesday	1	UNIT 4 : Memory Management:	FIFO page replacement algorithm
44	18-Sep-25	Thursday	1	UNIT 4 : Memory Management:	FIFO page replacement algorithm,
45	19-Sep-25	Friday	1	UNIT 4 : Memory Management:	FIFO page replacement algorithm,
	20-Sep-25	Saturday	CLASS TEACHING		
46	22-Sep-25	Monday	1	UNIT 4 : Memory Management:	, Optimal algorithm, LRU page replacement algorithm,
47	23-Sep-25	Tuesday	1	UNIT 4 : Memory Management:	, Optimal algorithm, LRU page replacement algorithm,
48	24-Sep-25	Wednesday	1	UNIT 4 : Memory Management:	, Optimal algorithm, LRU page replacement algorithm,
49	25-Sep-25	Thursday	1	UNIT 4 : Memory Management:	, Optimal algorithm, LRU page replacement algorithm,
50	26-Sep-25	Friday	1	UNIT 4 : Memory Management:	, Optimal algorithm, LRU page replacement algorithm,
	27-Sep-25	Saturday	MONTHLY EVALUATION		
51	29-Sep-25	Monday	1	UNIT 4 : Memory Management:	FIFO page replacement algorithm, Optimal algorithm, LRU page replacement
52	30-Sep-25	Tuesday	1	UNIT 4 : Memory Management:	FIFO page replacement algorithm, Optimal algorithm, LRU page replacement
53	3-Oct-25	Friday	1	UNIT 4 : Memory Management:	FIFO page replacement algorithm, Optimal algorithm, LRU page replacement algorithm, Thrashing , Causes for thrashing , Working set model , Page fault
54	4-Oct-25	Saturday	1	UNIT 4 : Memory Management:	Thrashing , Causes for thrashing , Working set model , Page fault frequency.
55	6-Oct-25	Monday	1	UNIT 4 : Memory Management:	Working set model , Page fault frequency.
	7-Oct-25	Tuesday	CLASS TEACHING		
56	8-Oct-25	Wednesday	1	5: File Management and Sec	File concept, access methods,
57	9-Oct-25	Thursday	1	5: File Management and Sec	File concept, access methods,
58	10-Oct-25	Friday	1	5: File Management and Sec	Directory Structure, file protection.
59	11-Oct-25	Saturday	1	5: File Management and Sec	Directory Structure, file protection.
	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			
51	21-Oct-25	Tuesday	1	5: File Management and Sec	methods: Contiguous, linked and index
52	24-Oct-25	Friday	1	5: File Management and Sec	linked and index allocation.
53	25-Oct-25	Saturday	1	5: File Management and Sec	Security: Authentication,
54	27-Oct-25	Monday	1	5: File Management and Sec	Program Threats, System Threats,
55	28-Oct-25	Tuesday	1	5: File Management and Sec	Program Threats, System Threats
	29-Oct-25	Wednesday	CLASS TEACHING		
56	30-Oct-25	Thursday	1	5: File Management and Sec	Encryption.
57	31-Oct-25	Friday	1	5: File Management and Sec	am Threats, System Threats, and Encry
58	1-Nov-25	Saturday	1	REVISION	REVISION
59	3-Nov-25	Monday	1	REVISION	REVISION
60	4-Nov-25	Tuesday	1	REVISION	REVISION
	6-Nov-25	Thursday	CLASS TEACHING		
61	7-Nov-25	Friday	1	REVISION	REVISION
62	8-Nov-25	Saturday	1	REVISION	REVISION
63	10-Nov-25	Monday	1	REVISION	REVISION
64	11-Nov-25	Tuesday	1	REVISION	REVISION
65	12-Nov-25	Wednesday	1	REVISION	REVISION
	13-Nov-25	Thursday	CLASS TEACHING		
66	14-Nov-25	Friday	1	REVISION	REVISION
67	15-Nov-25	Saturday	1	REVISION	REVISION

allocation.

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