

# SARASWATI MAHILA MAHAVIDHYALAYA,PALWAL

## LESSON-PLAN

Class: B.Sc (cs)2nd YEAR

Semester:4th

Subject: Operating Systems ( paper:4.2)

Session: 2021-22

Lecture Number	Topic
1	Introduction to OS
2	OS functions
3	continue
4	Continue
5	Characteristic of OS
6	Historical evolution of operating system
7	Types of os
8	Real time os
9	Multiprocessing os
10	Multiprogramming
11	Batch processing
12	Comparison between various os
13	Methodology in OS
14	System calls
15	Continue
16	System program
17	Continue
18	Revision and test

19	Process management
20	Process concept
21	Operation on process
22	States of process
23	Continue.
24	PCB
25	Continue.
26	Cpu scheduling an its types
27	Continue
28	Criteria
29	Levels of scheduling
30	Algorithm in scheduling
31	Continue
32	Multiprocessor scheduling
33	deadlocks
34	Characteristics of deadlock
35	Deadlock prevention
36	Continue
37	Deadlock avoidance
38	Revision
39	Critical section problem

40	Continue
41	Semaphore
42	Classical process co-ordination problem and their solution
43	Inter-process communication
44	Storage management
45	Memory management of single and multi user OS
46	Partitioning
47	Swapping
48	Paging
49	Segmentation
50	thrashing
51	Revision and test
52	File system and management
53	Functions of the system
54	File access methods
55	Contiguous allocation methods
56	Linked allocation methods
57	Index allocation methods
58	Comparison of allocation methods
59	Structured directory organisation
60	Continue

61	directory system
62	Continue
63	File protection mechanisms
64	Continue..
65	REVISION TILL EXAMS

Hemlata  
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