

OPERATING SYSTEMS LAB

Instruction 3 Periods per week

Duration of University Examination 3 Hours

University Examination 50 Marks

Sessional 25 Marks

1. Printing file flags for specified descriptor.
2. Print type of file for each command line arguments
3. Recursively descend a directory hierarchy counting file types
4. Program using process related system calls
5. Program s to create threads
6. Implement CPU scheduling algorithms (a) Round Robin (b) SJF (c) FCFS
7. Implement page replacement algorithms (a) FiFo (b) LRU
8. Echo server using pipes
9. Echo server using messages
10. Producer- Consumer problem using shared memory.
11. Readers – Writers problem using message passing
12. Dinning philosopher problem using semaphore
13. Bankers algorithm for Deadlock detection and avoidance
14. Program using file locking
15. Programs using LINUX shell scripts.
16. Case study of android OS