



### SECTION-B

11. Why OS is termed as resource allocator? Also compare RTS and Time sharing systems.
12. Write overviews of Inter process Communication and synchronization.
13. What is deadlock? How it is prevented and avoided?
14. Find waiting and turnaround time for the given processes using FCFS and SCF algorithms.

Process	Arrival Time (ms)	Burst Time (ms)
P1	1	5
P2	2	4
P3	2	7
P4	3	2

### SECTION-C

15. Explain various page replacement algorithms used in demand paging.
16. Explain various levels of RAID structure.
17. Write a detailed note on security threats on Operating System.
18. Explain various types of fragmentation algorithms.

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