

DECEMBER 2023

**P/ID 16305/PIT2D/
PCAEA**

Time : Three hours

Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions

1. Define process synchronization.
2. Give short notes on deadlock characterization.
3. List the types system calls.
4. Define system boot.
5. Define instruction register.
6. Expand MAN.
7. What is the use of exec system call?
8. State the use of file table.
9. What is mean by FCFS?
10. Give a brief on network file systems.
11. State the use of mount protocol.
12. What is mean by path name translation?

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions

13. Give short notes on system calls.
14. Mention about real time systems
15. Give a short notes on critical section.
16. Summarize on disk structure.
17. Explain in brief about thrashing.
18. Give a survey on free space management.
19. Short notes on access methods.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions

20. Elaborate the services available in operating systems.
21. Explain in detail about multiple processor scheduling.

22. Give a detail explanation deadlock avoidance and detection.
 23. Explain in detail about storage hierarchy.
 24. Elaborate about file system organization.
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