MAY 2025 **U/ID 46510/UCC4B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is Time Sharing?
2. What is System Program?
3. List the Process States.
4. What is Mutual Exclusion?
5. Define Paging
6. What is Segmentation?
7. List the types of Access Methods.
8. What is Internal fragmentation?
9. What is file structure?
10. What is RAID?
11. Define : Kernel.
12. What is thread?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Explain the System Components with examples.

14. Write Short notes in Simple structure of Operating System.

15. Write Short notes on Inter Process Communication

16. Explain about disk space allocation methods with examples.

17. State the conditions to occur deadlock with examples.

18. Explain about file attributes.

19. Discuss about Kernel I/O.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Explain in detail about Distributed System with examples.

21. What is Virtual Memory? Explain.

22. Explain about deadlock prevention in detail.

23. Discuss about file allocation methods with examples.

24. Explain about Memory Management with examples.

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