MAY 2024 **U/ID 46510/UCC4B**

Time : Three hours Maximum : 75 marks

PART A — ($10 \times 2 = 20$ marks)

Answer any TEN questions.

1. Write the goals of operating system.
2. What is a process?
3. What is deadlock?
4. What is the critical section problems.
5. What is fragmentation?
6. What is paging?
7. What is thrasing?
8. Name the file attributes.
9. What is virtual memory?
10. What is page replacement?
11. What is directory?
12. What is Encryption?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Explain about time sharing systems.

14. What are the methods used for handling deadlock? Explain.

15. Explain the importance of dynamic loading and linking in memory management.

16. Describe the contiguous memory allocation.

17. Write a note on: Directory structure.

18. Explain the basic concepts of demand paging.

19. Explain briefly the I/O hardware in operating system.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Describe the interprocess communication in detail.

21. Explain the various CPU scheduling algorithm in detail.

22. What is segmentation? Discuss briefly the segmentation with paging.

23. Describe the three major methods for allocating disk space in file management.

24. Write a note on Domain access matrix and its implementation.

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