APRIL 2021

51306/SAZ4B/ TAC4B/TAB6D

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)
Answer any TEN questions.

1. What is an operating system?

2. Define process.

3. Define CPU scheduling.

4. What is process paging?

5. Define Memory Management.

6. What is virtual memory?

7. What is thrashing?

8. What is protection?

9. What is deadlock?

10. What is Kernel?

11. Define Access Control.

12. What is I/O system?

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions, each in 200 words.

13. What are the functions of operating systems?

14. Describe the goal of an operating system.

15. Explain how to prevent deadlock.

16. Write a note on process scheduling.

17. Explain about virtual memory management.

18. Discuss on various attributes of a file.

19. Write a note on disk drivers.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions

20. Give a detailed account on operating system services.

21. Explain the various CPU scheduling algorithm.

22. Explain about page replacement.

23. Explain in detail about file allocation methods.

24. Explain in detail about free space management.

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