MAY 2023 **U/ID 46510/UCC4B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions

1. What is operating system?
2. Define Multi programming.
3. What is Process?
4. State the diagram of process state.
5. Define Paging.
6. What is Segmentation?
7. What is directory?
8. What is Physical Address?
9. Define Access Method.
10. What is Thrashing?
11. What is I/O System?
12. What is Secondary storage?

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions

13. Explain about the Time Sharing Systems.

14. What are the advantages of multiprocessor system? Explain.

15. Discuss about necessary conditions of deadlock.

16. Write short notes on Inter process communication.

17. Write short notes on Page replacement.

18. Write short notes on File system structures.

19. Brief on Application I/O Interface.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions

20. Explain the various types of system call provided by the Operating System.

21. Explain the representation of process scheduling.

22. Discuss on the concept of page replacement with the help of a diagram.

23. Describe the features of linked allocation in Files.

24. Briefly explain the following:

    (a) Authentication

    (b) Threat Monitoring
