DECEMBER 2022 **U/ID 46510/UCC4B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define the term 'Operating Systems' with examples.
2. Define IPC.
3. List the process states.
4. What is compile time binding?
5. Define virtual memory.
6. What are Fragmentation?
7. What are different types of access methods?
8. What is demand paging?
9. What is file structure?
10. Define allocation methods.
11. What is authentication?
12. What is threats?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Explain about the protection and security in OS.

14. Write notes on simple structure of OS.

15. Write about synchronization.

16. Write about the methods for handling deadlocks.

17. Explain about segmentation.

18. Explain about file attributes.

19. Explain about Kernel I/O.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Explain about distributed systems.

21. Explain the various CPU scheduling algorithms.

22. Explain in detail about paging.

23. Explain in detail about file allocation methods.

24. Explain about memory management.

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