MAY 2022 **U/ID 46510/UCC4B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define time sharing.

2. What is meant by dual mode operation?

3. Define the term-cooperating process.

4. What is deadlock?

5. What is paging?

6. Define virtual memory.

7. What are file operations?

8. What is a directory?

9. What is Allocation method?

10. Define segmentation.

11. What is kernel I/O?

12. What is encryption?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Explain the various types of operating system services.

14. Describe the features of system calls and system programs.

15. Discuss on the operating on processes.

16. Explain the characterisation of deadlock and method of handling it.

17. Describe the paging memory management scheme.

18. Explain the concept of files.

19. Describe the directory structures.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Discuss on the different types of operating systems.

21. Explain any four types of CPU scheduling algorithms.

22. Describe the demand paging in memory management techniques.

23. Explain in detail about disk space allocation methods.

24. Explain the distinct feature of I/O systems.

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