

DECEMBER 2021

**P/ID 16305/PIT2D/
PCA EA**

Time : Three hours

Maximum : 80 marks

PART A — ($10 \times 2 = 20$ marks)

Answer any TEN questions.

1. Define the term – Operating System.
2. What is Time sharing system?
3. List out the types of Scheduling algorithms.
4. What is a Process?
5. Define the term – Inter-process communication
6. Define the term – Swapping.
7. What is meant by Secondary storage management?
8. List out the attributes of a File.
9. List any four types of File.
10. What is meant by Encryption?
11. What are the advantages of UNIX?
12. Write the generations of Windows Operating system.

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions.

13. Describe the concept of Multiprogramming.
14. Discuss on the General System architecture.
15. Write short notes on Classical problems of Synchronization.
16. Explain the Deadlock prevention methods.
17. Describe the method of Paging technique.
18. Discuss on the operations on File.
19. Give short notes on Design principles of UNIX.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. Discuss on Process management in detail.
21. Describe the methods of Deadlock avoidance.
22. Explain the concept of Segmentation in detail.

23. Give a detailed note on Directory structure organization.
 24. Explain the fundamental aspects of Windows Operating System.
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