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**OPERATING SYSTEMS**

Time : Three hours

Maximum : 100 marks

**PART A — (6 × 5 = 30 marks)**

Answer any SIX questions.

1. Explain the abstract view of a computer system?
2. What are process states? Explain.
3. Explain IPC?
4. How to recover from Deadlock? Explain.
5. Explain about single contiguous allocation?
6. What is a segment table? Explain.
7. Explain about blocking.
8. Write Short notes on Acyclic graph.
9. Write and explain about DOS file system.
10. Explain the Network Operating System tasks in detail.

**PART B — (4 × 10 = 40 marks)**

Answer any FOUR questions.

11. Write Short notes on Buffering and Spooling.
  12. Explain about Bankers Algorithm in detail.
  13. Write Short Notes on different types of schedulers.
  14. What are multilevel queues? Explain.
  15. Explain Disk Scheduling in detail.
  16. What are the major parts of UNIX? Explain.
- PART C — (2 × 15 = 30 marks)**
- Answer any TWO questions.
17. Explain about multiple partitioned allocations in detail.
  18. How Dead Locks are handled? How to Prevent and Avoid Dead Locks?
  19. Write Short Notes on
    - (a) Pipelines and Filters
    - (b) Inodes.