

OCTOBER 2013

**P/ID 17467/
RCT/PCAO**

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

All questions carry equal marks.

1. (a) Write short notes on Distributed system.

Or

- (b) What is meant by Dual Mode Operation?
Discuss it.

2. (a) Discuss about the Co-operative process in detail.

Or

- (b) Explain Monitor in detail.

3. (a) Write short notes on Swapping.

Or

- (b) Write short notes on Single and Multiple partitions allocation.

4. (a) Write short notes on Consistency semantics.

Or

- (b) What are the operations in directory structure? Explain.

5. (a) What are the design principles of UNIX? Discuss.

Or

- (b) Write short notes on Commands in MS-DOS.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

All questions carry equal marks.

6. (a) Discuss about the services of operating system.
(b) Describe in detail about Storage structure.
7. (a) Discuss the concept of synchronization hardware.
(b) Describe in detail about Deadlock Detection.
8. Explain the concept of System Calls.

9. What is the Classical Problem of Synchronization?
Explain.
 10. Draw the structure of Virtual memory in detail.
 11. Explain in detail on File Allocation methods.
 12. Discuss in detail about security in File System.
 13. Explain the Programming interface in UNIX.
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