

OCTOBER 2012

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

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) What is Multiprogramming?

Or

(b) Write about various operating system services.

2. (a) How does an operating system synchronize different hardwares?

Or

(b) What is a deadlock? Write about its characteristics.

3. (a) Discuss on Multiple Partition Allocation.

Or

(b) Write about Disk Scheduling.

4. (a) What are consistency semantics? Explain.

Or

(b) Describe file system organisation.

5. (a) List out and explain the file accession methods in MS DOS.

Or

(b) How are devices managed in Unix?

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Describe system calls.

7. List out and explain the different types of Real-Time Systems.

8. Explain Prevention of Deadlocks.

9. Illustrate Virtual Memory Management.

10. Describe any one Page Replacement Algorithm.

11. Explain the directory structure of Unix Operating System.

12. How is page management in done MS DOS?
Explain it.
 13. Explain the following in detail :
 - (a) Critical Section
 - (b) Storage Hierarchy.
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