

OCTOBER 2013

**P/ID 17480/RWC/
PCEC**

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

All questions carry equal marks.

1. (a) Describe about bus-based multi computers.
Or
(b) What are the design issues? Explain.
2. (a) Explain the role of communication in distributed systems.
Or
(b) State the differences between blocking and unbuffered primitives.
3. (a) What is atomic transactions? Explain.
Or
(b) Write short notes on threads.

4. (a) Describe about semantics of file sharing.

Or

- (b) Write short notes on distributed file system.

5. (a) Briefly explain the distributed query processing.

Or

- (b) Write short notes on distributed transaction management.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

All questions carry equal marks.

6. Discuss the basic aspects of network operating systems.
7. Explain the software concepts in detail.
8. Discuss how do you implement the client/server model?

9. Describe the fundamentals of dead lock distributed system.
 10. Explain the overview of synchronization in distributed systems.
 11. How do you implement new trends in distributed file system? Discuss.
 12. Illustrate on distributed databases and their significance.
 13. Discuss about distributed concurrency control in detail.
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