

MAY 2011

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

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Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) What are the hardware concepts? Explain.  
Or  
(b) Explain the design issues in detail.
2. (a) Write short notes on communication in distributed systems.  
Or  
(b) What are the differences between blocking and unbuffered primitives.
3. (a) What is clock synchronization? Explain.  
Or  
(b) Give the significance of election algorithms.
4. (a) Describe about semantics of file sharing.  
Or  
(b) Write short notes on distributed file system.

5. (a) Explain the fundamental of distributed catalog management.

Or

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

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Illustrate on software concepts.
7. Explain the fundamental aspects of Network Operating System.
8. Discuss the implementation of client/server model.
9. Briefly explain the thread usages and implementation of thread packages.
10. How do you implement new trends in distributed file system? Discuss.
11. Describe the basic aspects of dead lock distributed system.
12. Explain the architecture of distributed DBMS.
13. Discuss about distributed concurrency control and recovery.