

MAY 2012

**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) Discuss on the switched multiprocessor.

Or

(b) Write a note on :

(i) Bus Based multicomputer

(ii) Switched multicomputer.

2. (a) Explain the implementation of client-server model.

Or

(b) Discuss on the issues concerning Addressing.

3. (a) Explain the election algorithm.

Or

(b) Describe the concurrency control mechanism.

4. (a) Explain the semantic file sharing.

Or

- (b) Discuss on the directory server interface.

5. (a) Explain the method of sorting data in distributed DBMS.

Or

- (b) Discuss on distributed transaction management.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Discuss on the network file system.
7. Describe the working of the layered protocol.
8. Explain various message passing primitives.
9. Illustrate the dead locks in distributed systems.
10. Discuss on the processor allocation.
11. Explain the distributed file system and its organization.
12. Discuss on the trends in DFS.
13. Explain the distributed concurrency control.