

OCTOBER 2012

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

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) Explain the taxonomy of parallel and distributed system.
Or
(b) Describe switched multiprocessors.
2. (a) Explain the implementation of client server model.
Or
(b) List out the issues Concerning addressing.
3. (a) Describe logical clocks and physical clocks.
Or
(b) Describe transaction model.
4. (a) Write about the file service interface.
Or
(b) Describe the directory server interface.

5. (a) Write about the distributed Catalog management.

Or

- (b) Give a note on distributed query management.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Explain the design issues.
7. Discuss on the layered protocols.
8. Explain various message passing primitives.
9. Summarize algorithms for mutual exclusion.
10. Discuss on the deadlock in distributed system.
11. Describe the distributed file system.
12. Explain the trends in DFS.
13. Discuss on the distributed recovery process.