

MAY 2013

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

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) Explain about switched multiprocessor.  
Or  
(b) What are the advantages of Network Operating Systems?
2. (a) Write short notes on communication in distributed systems.  
Or  
(b) Differentiate blocking Vs unbuffered primitives.
3. (a) Illustrate on mutual exclusion.  
Or  
(b) Give a brief note on processor allocation.
4. (a) Describe about file service interfaces.  
Or  
(b) Write a brief note on distributed file system.

5. (a) How do you perform updating distributed data? Explain.

Or

- (b) Illustrate on recovery in detail.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Discuss the design issues in detail.
7. How do you implement a client/server model? Explain.
8. Write down the overview of synchronization in distributed systems.
9. Briefly explain the thread usages and implementation of thread packages.
10. How do you implement new trends in distributed file system? Discuss.
11. Write a brief note on atomic transactions.
12. Explain the architecture of distributed DBMS.
13. Write a detailed note on distributed concurrency control.