

MAY 2015

P/ID 17515/PCASR

Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. Explain the different Set operations in SQL.
2. Give a note on Embedded SQL.
3. Write about Constraints in ER Model.
4. Describe the methods of File organization.
5. Write down the features of RAID.
6. Describe Multivalued Dependencies with example.
7. Explain the method of Deadlock prevention.
8. Describe the Client-Server architecture.

PART B — (7 × 10 = 70 marks)

Answer any SEVEN questions.

9. Explain the purpose of Database systems and demerits of file processing systems.
10. Describe the structure of ER Model with example.
11. Discuss on BCNF and fourth Normal form.
12. Explain the working of Static and Dynamic hashing techniques.
13. Write a detailed note on :
 - (a) Table inheritance
 - (b) Persistent Programming Languages.
14. Describe the choice of evaluation plans in Query optimization.
15. Explain the Log-based recovery procedure.
16. Discuss on Deadlock detection and recovery.
17. Describe the characteristics of Parallel systems.
18. Explain the method of Distributed data storage and Transactions.