

DECEMBER 2014

P/ID 17515/PCASR

Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. Explain the different types of Data models.
2. What is View? Discuss on the method of defining View.
3. Describe the concept of Weak Entity Sets with an example.
4. Explain the importance of Multivalued Dependencies.
5. Discuss on the steps involved in Query processing.
6. Describe the concept of Transaction.
7. Explain the method of Deadlock detection.
8. Discuss on the method of Distributed data storage.

PART B — (7 × 10 = 70 marks)

Answer any SEVEN questions.

9. Explain the structure of Relational Databases.
10. Describe the representation of ER diagram with an example.
11. Discuss on Structured types and inheritance in SQL.
12. Describe the method of Decomposition using Functional Dependencies.
13. Explain the functioning of B+ Tree Index files.
14. Discuss on Sorting and Join operations.
15. Describe the concept of Serializability.
16. Explain the Log-based protocols.
17. Discuss on the Centralized and Client-Server architectures.
18. Describe the functioning of Directory system.