

MAY 2014

P/ID 17515/PCASR

Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. Discuss on the problems of File processing systems.
2. Explain the usage of Recursive Queries.
3. Describe the ER diagram using an example.
4. Discuss on different types of Storage media.
5. Explain the methods of File organization.
6. Describe the method of Implementation of Atomicity and Durability.
7. Discuss on the classification of failure in Recovery system.
8. Explain the characteristics of Distributed data storage.

PART B — (7 × 10 = 70 marks)

Answer any SEVEN questions.

9. Explain the Relational Algebra operations.
10. Describe the basic structure of SQL Queries and its classifications.

11. Discuss on the Atomic Domain and Third level Normal forms.
 12. Explain the Multivalued Dependencies.
 13. Describe the importance of RAID.
 14. Discuss on Static and Dynamic hashing.
 15. Explain the Deadlock prevention, detection and recovery procedure.
 16. Describe the methods of Buffer Management.
 17. Discuss on the functioning of Parallel system.
 18. Compare the Centralized and Client-Server architectures and discuss.
-