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Register Number

Name of the Candidate:

M.Sc. DEGREE EXAMINATION, May 2015

(INFORMATION TECHNOLOGY)

(THIRD SEMESTER)

311: ADVANCED RDBMS

Time: Three hours

Maximum: 100 marks

SECTION-A

(8×5=40)

Answer any EIGHT questions

1. Discuss briefly the object query language.
2. Give a note on object database conceptual design.
3. Explain the issues in practical database design.
4. Give a note on database design process.
5. Discuss the system architectures for DBMS in detail.
6. Explain briefly the schedules and recoverability.
7. Explain the concept of recovery in Multidatabase System.
8. What is shadow paging? Explain.
9. Discuss on 3-tier client server architecture overview.
10. Write about temporal database concepts.

SECTION-B

(3×20=60)

Answer any THREE questions

11. With suitable illustration. Explain the object definition language in detail.
12. Discuss briefly the functional dependencies and normalization for relational databases.
13. Give a detailed description on database system architecture and system catalog.
14. a) Discuss in detail the issue of concurrency control (10)
b) Discuss the multi version concurrency control techniques. (10)
15. a) Discuss various strategies for query processing and query optimization for distributed database systems. (10)
b) Describe various types of distributed database systems in detail. (10)
