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Register Number
Name of the Candidate:

M.Sc. DEGREE EXAMINATION, May 2015

(SOFTWARE ENGINEERING)

(SECOND SEMESTER)

231: ADVANCED RDBMS

Time: Three hours

Maximum: 100 marks

SECTION-A

(8×5=40)

Answer any EIGHT questions

1. Write down the overview of CORBA standard for distributed objects.
2. Write the overview of C++ language binding.
3. Describe the normal forms based on the primary keys.
4. Give an account of inclusion dependencies.
5. Explain the data dictionary and data repository systems.
6. With syntax, explain the insert, delete and update statement in SQL.
7. List and explain database security issues.
8. Explain the database recovery technique based on differed update.
9. Define the terms: Data fragmentation and data replication.
10. Summarize the deductive databases concept with prolog/datalog notations.

SECTION-B

(3×20=60)

Answer any THREE questions

11. Explain the following concepts:
 - a) Informix universal server. (12)
 - b) Object model of ODMG (8)
12. Explain the algorithms for relational database schema design
13. Discuss the query processing and optimization with example.
14. Discuss in detail the database security and authorization.
15. Write a detailed notes on the following:
 - a) Temporal database concepts (10)
 - b) Deductive database (10)
