

Register Number :

Name of the Candidate :

6 9 1 7

M.C.A. DEGREE EXAMINATION, 2009

(SECOND SEMESTER)

(PAPER - IX)

221. ADVANCED RDBMS

(*New Regulations*)

December]

[Time : 3 Hours

Maximum : 100 Marks

SECTION - A (8 × 5 = 40)

Answer any EIGHT questions.

All questions carry equal marks.

1. Write about information universal server.
2. Give a note on object database conceptual design.
3. Discuss the role of information systems in organizations.

Turn Over

4. Give a brief account of Boyce - Codd normal form.
5. Write about database languages and interfaces.
6. Discuss SQL data definition and its data types.
7. List and explain database security issues.
8. Elucidate concurrency control based on time-stamp ordering.
9. Compare and contrast temporal database with spatial database.
10. Write the various types of distributed database systems. Also, explain.

SECTION - B (3 × 20 = 60)

Answer any THREE questions.

All questions carry equal marks.

11. With suitable illustration, explain the object definition language in detail.
12. Explain the normal forms based on primary keys. Illustrate.
13. Give a neat description of tuple relational calculus.

14. Describe two phase locking techniques for concurrency control.
15. Explain the query processing methods of distributed databases.