

MCA-771

MCA-21

**M.C.A. DEGREE EXAMINATION –
JUNE 2010.**

Third Year

**RELATIONAL DATABASE MANAGEMENT
SYSTEMS**

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

- 1. Define Schema and Subschema. Explain the different levels of Data Abstraction.**
- 2. With relevant example, describe the Second Normal Form (2NF).**
- 3. Explain the object-based logical models.**
- 4. List the advantages of Client/Server Technology.**
- 5. Write the benefits of SQL.**
- 6. With syntax explain the Date functions of ORACLE.**
- 7. Discuss about Synonyms.**

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. With an example discuss Entities, Attributes and Mapping CARDINALITIES.
9. Explain
 - (a) Network Model
 - (b) Relational Model.
10. Briefly explain the twelve codd's rules.
11. Describe the Logical and Physical database structure.
12. Create an oracle program for student mark processing.
13. What is a Trigger? Explain the different types of database triggers.
14. Briefly discuss about Embedded SQL.
