MCA–130	MCA-05/ PGDCA-04

M.C.A. DEGREE /PGDCA EXAMINATION – JANUARY 2009.

First Semester/First Year

INTRODUCTION TO DBMS

Time : 3 hours   Maximum marks : 75

Answer for 5 marks question should not exceed
2 pages.

Answer for 10 marks questions should not exceed
5 pages.

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Discuss the three Schema architecture of a DBMS.

2. What is a Data Model? List the types of data models.

3. With an example explain Primary Key and Foreign Key.

4. Discuss about Basic operations of relational algebraic operations.

5. Explain about Data Fragmentation.

6. Highlight the features of OODBMS.

7. Discuss about need and advantages of Client Server computing.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Discuss in detail about Hierarchical model of DBMS.

9. Discuss with example Relational Data Model.

10. Discuss 2NFand 3NF with examples.

11. Discuss with examples aggregate functions in SQL.

12. Discuss the advantages and disadvantages of Data Distribution.

13. Explain DDL, DML and DCL.

14. Explain knowledge Database Management Systems.

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