2430   **BCA-06**

B.C.A. DEGREE EXAMINATION – JANUARY, 2006.

First Year

INTRODUCTION TO DBMS

Time : 3 hours   Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Discuss the advantages and disadvantages of DBMS.

2. Explain briefly the three levels of Data Abstraction.

3. Discuss briefly the Sequential File Organisation.

4. Explain briefly the structure of Relational Database.

5. Discuss the two approaches for storing a relation in a Distributed Database.

6. Discuss briefly Knowledge Base Management System.

7. Discuss the pros and cons of Object Oriented DBMS.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain in detail the various Database Models.

9. Explain the different types of File Organisations.

10. Explain the pitfalls in Relational Database Design with an example.

11. Explain the desirable properties of decomposition in relational model.

12. Explain the structure of DBMS.

13. Discuss the main concepts of Object Oriented DBMS.

14. Explain in detail Client Server Systems.

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