

MAY 2012

P/ID 6031/MEP

Time : Three hours

Maximum : 80 marks

PART A — (8 × 5 = 40 marks)

Answer any EIGHT questions.

All questions carry equal marks.

Each answer should not exceed 1 page.

1. Explain the database terminology.
2. Explain the database system.
3. What are the four main difference between a file processing system and a DBMS?
4. Explain the disadvantages of database system.
5. What are the function of a database administrator?
6. What is database integrity? Explain.
7. Briefly explain the different types of DBMS.
8. Describe the components of database system.
9. Briefly explain the steps in database design.

10. Explain any three goals of relational database design.
11. Write short notes on “system department”.
12. Write short notes on “E-R model”.

PART B — (4 × 10 = 40 marks)

Answer any FOUR questions.

All questions carry equal marks.

13. Define data architecture and explain an importance of data communication system.
14. Explain DBMS software and give examples.
15. List down and explain the major steps involved in setting up a database for a particular enterprise.
16. Explain the distinctions among the terms primary key, candidate key and super key.
17. Explain about the features of the E-R model.
18. Write short notes on :
 - (a) Requirement analysis
 - (b) Denormalization.