Time : Three hours   Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is a database management system?

2. What are the three basic types of events occur in a database environment?

3. What is data dictionary?

4. Write the syntax of create view.

5. List the SQL operations not involving cursors.

6. What are the various report layout elements?

7. What are the benefits of the menu?

8. What is the difference between forms and reports?

9. What is serialization?

10. What is the use of cluster analysis?

11. List the primary database tasks required for implementation.

12. Define third normal form.

II) BCA - Paper XIII - Database Management System.

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Explain the advantages of using database management systems.

14. Discuss about common data types.

15. Examine any four aggregation operators.

16. Explain the 'from, where and select' clauses in SQL.

17. Discuss the fundamentals of report design.

18. Describe the hashed-key storage methods.

19. Explain the primary role of the data administrator.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Explain the process of converting a class diagram to normalized tables with an example.

21. Describe the various simple queries in SQL.

22. Explain the basic report type's designs.

23. Explain the concept of data clustering and data partitioning.

24. Discuss about Client/Server databases.

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