NOVEMBER 2022 **50437/SE25C**

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Define DBMS.

2. What is physical data independence?

3. Mention any two advantages of ER model.

4. What is Primary Key?

5. What is QBE?

6. Define normalization.

7. What is Transaction?

8. What is DDL?

9. Differentiate DROP TABLE and TRUNCATE TABLE in SQL.

10. What is the use of JOIN operation?

11. What is Procedure in PL/SQL?

12. What is an exception?

SECTION B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions.

13. Explain the objectives of DBMS.

14. Explain the Classification of Entity Sets.

15. What are the types of relational calculus? Briefly explain.

16. Describe the ACID properties of the DBMS.

17. Explain the need for database security.

18. What are sub queries? How will you classify them?

19. Explain the structure of PL/SQL.

SECTION C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. Describe the five components of database systems.

21. Explain the various operations on relational algebra.

22. Discuss the various objectives of database design.

23. Explain the data types in SQL with examples.

24. Explain the looping statements in PL/SQL.

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