

NOVEMBER 2024

50437/SE25C/
TC23A/TD24A

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. Write the structure of DBMS.
2. How to convert composite attribute in a ER diagram to Tables?
3. Define strong entity.
4. Mention the role of relational algebra in DBMS.
5. Write about CODD's rule.
6. How to use the queries in domain relational calculus?
7. Write objectives of relational database design.
8. Mention the key notation in transaction management.
9. How to drop the table in SQL?
10. What is NOT NULL constraint?

11. Define Operator Precedence in PL/SQL.

12. What is Function?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Illustrate the basic blocks of Entity-Relationship Diagram.

14. Point out the constraints on specialization and generalization.

15. Explain the various types of relational constraints used in DBMS.

16. Describe the structure of relational database.

17. Point out the aggregate function used in SQL. Give an example.

18. Write the structure of PL/SQL.

19. Outline the control structure used in PL/SQL.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Categorize the various types of attributes used in entity in detail.

21. Explain the different types of relational algebra operations.

22. Compare the difference between 1NF and 2 NF.

23. Summarize various commands of Data Manipulation Language supported by SQL.

24. Illustrate the various types of triggers used in PL/SQL.