MAY 2023 **P/ID 78002/RMBS1**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions, in 50 words each

1. Define DBMS.
2. Write short note on transaction.
3. What do you meant by set operations?
4. Define Database.
5. What is extended operations?
6. Write short note on Integrity constraints.
7. Define Domain.
8. What is object-oriented data model?
9. State object orientation.
10. What is centralized system?
11. State inter query.
12. Write short note on dead lock handling.

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions, in 250 words each.

13. Explain the components of entity relationship model.

14. Elaborate on the main functions of a database administrator.

15. Discuss aggregate functions with suitable example.

16. What is multivalued dependency explain with example how it is related to normalization?

17. Explain the comparison of complex values and objects in object-oriented data model.

18. Describe client server system with example.

19. Explain the features of distributed databases.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions, in 500 words each.

20. Discuss mapping constraints in DBMS.

21. Explain the basic structure and set operations of SQL.

22. Describe the different phases of relational database design?

23. Explain the features and purpose of object relational database.

24. Write the advantages and disadvantages of distributed database.

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