MAY 2022 **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 database.

2. Describe various symbols used in E.R diagram.

3. What are single - valued and multi valued attributes?

4. What are triggers?

5. What is the use of foreign key?

6. Define normalization.

7. Define entity and attribute.

8. Define BCNF.

9. What is data integrity?

10. What is Sub form?

11. Write the difference between centralized and distributed database.

12. What is statistical database security?

PART B — (5 × 6 = 30 marks)

Answer any FIVE questions in 250 words each.

13. Discuss different classification and components of DBMS.

14. Write short notes on DDL statements.

15. Explain the attribute types allowed in the object model.

16. List and describe the functions of the database administrator.

17. What are various merits and demerits of database approach?

18. What are the desirable properties of transactions in a database?

19. Differentiate between Network Model and Relational Model.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions in 500 words each.

20. Describe in detail, queries with multiple tables with examples.

21. Define relational model? Compare and contrast it with network and hierarchical model.

22. Describe in detail, Distributed databases.

23. What is transaction? Explain its properties.

24. Discuss the following:
    (a) Data Models
    (b) Database languages
