

2 RS 36073

THREE YEAR B.Sc. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2022.

THIRD SEMESTER

Computer Science

Paper III – DATABASE MANAGEMENT SYSTEMS

(w.e.f. 2020 – 21 Admitted Batch)

Time : Three hours

Maximum :

(No additional sheet will be supplied)

PART A — (5 × 5 = 25 marks)

Answer any FIVE of the following questions.

1. What are various Data models? Briefly explain it.
2. Define Relationship Degree.
3. Write about Limitations of Relational Algebra.
4. Write about Subquery.
5. Define operators precedence.
6. What is Normal form? What are various Normal forms?
7. Define Join operations.
8. Discuss about Database Triggers.

PART B— (5 × 10 = 50 marks)

Answer ALL questions.

9. (a) What are the Drawbacks of File-Based system.
Or
(b) Explain components of Database Management system.
10. (a) Explain about classification of entity sets.
Or
(b) Write short notes on Specialization.
11. (a) Explain about various Relational Algebra Operations.
Or
(b) Explain about First Normal Form with an example.

12. (a) What is SQL? Explain Advantages and Disadvantages of SQL?

Or

(b) Explain about various set operations in SQL.

13. (a) Explain about Control Structures in PL/SQL.

Or

(b) Explain steps to create PL/SQL program.