23BCS451

UG PROGRAM (4 YEARS HONORS) WITH SINGLE MAJOR
AT THE END OF FOURTH SEMESTER
COMPUTER SCIENCE - DATABASE MANAGEMENT SYSTEM (Minor)
(w.e.f. Admitted Batch 2023-24)

Time: 3 Hours

Maximum: 70 marks

SECTION – A

Answer any FIVE Questions.

5x4=20

1. Explain drawbacks of File based system.

2. Write about objects of Database.

3. Explain about Relationship Degree.

4. Write a note on building blocks of an entity relationship diagram.

5. Explain about Relational Integrity.

6. Explain Tuple relational calculus.

7. Write about Set operations with examples.

8. Explain about various datatypes using in PL/SQL.

SECTION – B

Answer All Questions.

5x10=50

9. (a) Briefly explain about different types of Data models.

(Or)

(b) Explain about Three-Scheme Architecture.

10. (a) What is Attribute? Explain different types of Attributes.

(Or)

(b) What is EER model? Explain the basic concepts of EER model.

11. (a) What is Key? Explain about various types of keys.

(Or)

(b) Explain about basic normal forms with suitable examples.

12. (a) Briefly explain about Aggregate functions in SQL.

(Or)

(b) Explain about Data manipulation commands?

13. (a) Explain about basic structure of PL/SQL program.

(Or)

(b) Explain about conditional control statements in PL/SQL.