

[21-BS325]
**AT THE END OF THIRD SEMESTER (CBCS PATTERN) DEGREE
 EXAMINATIONS
 COMPUTER SCIENCE - III - DATA BASE MANAGEMENT SYSTEM
 UG PROGRAM (4 YEARS HONORS)
 (w.e.f. Admitted Batch 2020-21)**

Time : 3 Hours

Maximum : 75 Marks

SECTION - A

I. Answer any FIVE questions.

(5×5=25)

1. Write classification of database management systems.
2. Write about IS-A relationship and attribute inheritance.
3. Write about degree of relationship.
4. Write about Union, Intersection Operations.
5. Write brief note on Data Model.
6. What are the data types in SQL?
7. Write are the control structures in PL/SQL.
8. Write about operator precedence in PL/SQL.

SECTION - B

II. Answer ALL the questions.

(5×10=50)

1. a) What is filebased system? Explain about drawbacks of file based system.
 (OR)
 b) Explain different components of DBMS.
2. a) Write about the advantages of E R Modelling.
 (OR)
 b) Explain the different constraints specialization and Generalization.
3. a) Explain the Relational Data Model.
 (OR)
 b) Define functional dependency? Write about 3rd and BCNF normal forms.

4. a) Explain data types in SQL.
 (OR)
 b) What is constraint? Write about different types of constraints in SQL.
5. a) What is a procedure? Explain how to create a procedure in PL/SQL.
 (OR)
 b) What is a Database Trigger? Write about different types of Triggers.