

THREE YEAR B.Sc.DEGREE EXAMINATION, MAY - 2022

CHOICE BASED CREDIT SYSTEM

THIRD SEMESTER

PART - II: COMPUTER SCIENCE

PAPER - C3 : Database Management Systems

(Under CBCS New Regulation w.e.f. the academic year 2021-22)

Time : 3 Hours

Max. Marks : 75

Note: This Question Paper contains two parts A and B. Part A is compulsory which carries **25 marks**. Answer any five of the following questions in Part A. Part B consists of 5 units. Answer any one question from each unit. Each question carries **10 marks**.

PART - A

Answer any Five of the following questions.

(5×5=25)

1. Write about Drawbacks of file-Based system?
2. Define data, information & Database?
3. Define entity & its types?
4. Define specialization?
5. What is foreign key?
6. Explain various Data Types in SQL?
7. What is view?
8. Data Types in PL/SQL?

PART - B

Answer All the Questions. Each question carries 10 marks.

(5×10=50)

UNIT - I

9. a) Write about various Data Models?

(OR)

- b) Write the components of Database Management System?

UNIT - II

10. a) Define Entity, attribute and explain types classification and relationship degree?
(OR)
b) Write about generalization and specialization?

UNIT - III

11. a) What is Normalization & Explain 1NF, 2NF, 3NF?
(OR)
b) Explain relational algebra operations?

UNIT - IV

12. a) List and explain about the Aggregate functions with example?
(OR)
b) Write about the DDL commands with examples?

UNIT - V

13. a) Illustrate the structure of PL/SQL and explain PL/SQL language Elements?
(OR)
b) Write about the following
i) Procedures
ii) Functions
iii) Triggers
iv) Control Structures.
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