

RELATIONAL DATABASE MANAGEMENT SYSTEMS

(For those who joined in July 2020 only)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. _____ is lowest level of abstraction describes how the data are actually stored.
 - (a) Logical Level
 - (b) Physical Level
 - (c) View Level
 - (d) Abstracted Level

2. The collection of information stored in the database at a particular moment is called, an _____ database
 - (a) Schema
 - (b) Instance
 - (c) Sub Schema
 - (d) Logical Scheme
3. A domain is _____ if elements of the domain are considered to be indivisible units.
 - (a) Auto
 - (b) Atomic
 - (c) Static
 - (d) Null
4. A query language is a language in which a user requests information from the _____.
 - (a) File
 - (b) Folder
 - (c) Database
 - (d) System
5. The _____ constraint on an attribute specifies that the null value is not allowed for that attribute.
 - (a) Domain
 - (b) Null
 - (c) Not Null
 - (d) Check
6. The _____ command to load data into the relation
 - (a) Update
 - (b) Delete
 - (c) Insert
 - (d) Push

7. By normalizing relations or sets of relations, one minimizes _____.
 - (a) Data
 - (b) Fields
 - (c) Redundancy
 - (d) Database

8. Which of the following is not a type of Normal Form?
 - (a) 1NF
 - (b) 2NF
 - (c) 3NF
 - (d) 10NF

9. PL/SQL Variables are by default _____

- (a) Case Sensitive
- (b) Upper Case Sensitive
- (c) Lower Case Sensitive
- (d) Not Case Sensitive

10. _____ are values used in PL/SQL blocks that do not change during execution.

- (a) Variables
- (b) Constants
- (c) Functions
- (d) Cursor

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b). Each answer should not exceed 250 words.

11. (a) Discuss about Data Redundancy and Inconsistency.

Or

- (b) Explain about DDL.

12. (a) Discuss about Keys in Relational Model

Or

- (b) Discuss about DDL.

13. (a) List out the Numeric Data types used in SQL.

Or

- (b) Compare Union with Intersection.

14. (a) Define Generalization.

Or

- (b) What is Multi Valued Dependency? Explain

15. (a) Define PL/SQL.

Or

- (b) How to Set the Not Null Constraints while Creating a Table?

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b)
Each answer should not exceed 600 words.

16. (a) Describe the data models.

Or

(b) Write detail notes on Storage Manger and Query processor.

17. (a) Describe about Key and Its Types.

Or

(b) Draw the Schema Diagram for the Student Database.

18. (a) Explain about the five Aggregate functions with suitable examples.

Or

(b) Write an Essay on SQL Data types and Schemas.

19. (a) Discuss about the Data Dependencien.

Or

(b) Write detail notes Normalizations in DBMS.

20. (a) Discuss about various methods used for the modification of Table.

Or

(b) Compare Stored Procedures with Functions.