SARDAR PATEL UNIVERSITY
B.Sc (CA & IT) – IIIrd SEMESTER (CBCS) (Regular)
DATE: 12/11/2022, Saturday TIME: 02:00 P.M TO 05:00 P.M
US03CIIT54: Relational Database Management System-I

Maximum Marks: 70

Q.1 Answer the following questions.   **[10]**

1 Column of the relation are referred as _____.

   (a) Attributes (b) tuples (c) Record (d) Relationship

2 How many conceptual schemes are available per database?

   (a) Two   (b) One   (c) Three   (d) Four.

3 _____ query is not an auto committed query.

   (a) Insert   (b) Update (c) Delete (d)Create.

4 Maximum number of character allowed in char data type is _____.

   (a) 250   (b) 255   (c) 4000   (d) 4500

5 Rollback query is belonging to _____ type of query.

   (a) DML   (b) DDL   (c) TCL   (d) DCL

6 For character data-types the _____ sign matches any string.

   (a) _   (b) &   (c) $ (d) %

7 _____ represents relationship between table.

   (a) Unique key (b) Primary key (c) Foreign key (d) Default

8 The _____ function returns number of months between two dates.

   (a) month   (b) between_months   (c) between   (d) months_between

9 _____ privilege allows to grantee to query the table.

   (a) Select   (b) Insert   (c) Update   (d) Delete

10 The address field of an index is called_____.

   (a) Row Id   (b) Column Id   (c) View   (d) Index.

Q.2 Explain following in brief. (Attempt any Ten)   **[20]**

1 What is tupple and Domain?

2 Define Attributes.

3 Explain Relationship.

4 What is SQL? Write advantages of SQL.

5 Explain setlinesize in brief.

6 Explain order by clause in brief.

7 Explain concept of DUAL table.

8 How Unique key can apply at table level?

9 What is Table level and column level constraints?

10 Give the types of index.

11 What is Relationship? List types of Relationship.

12 What is a privilege? List the object privileges.

Q.3 **A.** Write difference between DBMS and RDBMS. [04]

B. List and explain any five codd rules. [06]

OR

Q.3 **A.** Draw and Explain the three-schema architecture for a Database Management System in brief. [04]

B. Explain Hierarchical model and Relational model in brief. [06]

Q.4 **A.** Explain different ways to insert records in a table with syntax and example [04]

B. List and explain all data types available in oracle and explain [06]

OR

Q.4 **A.** Explain Alter command with syntax and example.. [04]

B. Explain update and create table statement with its syntax and example. [06]

Q.5 **A.** What is an aggregate function? List and explain any four aggregate functions with use, syntax and example. [10]

OR

Q.5 **B.** Explain Primary key, foreign key and not null constraint with syntax and example. [10]

Q.6 **A.** List different types of join. Explain with syntax with example. [07]

B. Explain group by clause with syntax. [03]

OR

Q.6 **A.** What is Sequence? Explain with syntax and example. [07]

B. What is transaction processing? Explain Commit & Rollback. [03]

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