[128] **SARDAR PATEL UNIVERSITY**

( CA &-IT)

Bachelor Of Science (Semester 3) Examination-2022

(US03CIIT25) Relational Database Management System

Date: 12/11/2022 (Saturday)     Total:70 Marks

Time: 02:00pm to 05:00pm

Note: Figure to the right indicate full marks of the questions.

**Q.1  Multiple Choice Questions**     **[10]**
1. Rows of the relation are referred to as_____
   a) Relationship b) Tuples c) Attributes d) Record
2. Which integrity constraints states that no primary key value can be null.
   a) Entity b) referential (c) Domain d) Simple
3. _____ query is not an auto committed query.
   a) Insert b) Update c) Delete d) Create.
4. Rollback query is belonging to _____ type of query.
   a) TCL b) DDL c) DML d) DCL
5. Maximum no of characters allowed in character data type is _____
   a) 250 b) 255 c) 4000 d) 4500
6. Table level constraints are stored as a part of the _____ table definition.
   a) Primary b) Local c) Temporary d) Global
7. _____ represents relationship between table.
   a) foreign key b) Primary key c) Unique key d) Default
8. The address field of an index is called_____.
   a) Row Id b) Column Id c) View d) Index.
9. The _____ Statement provides various types of access to Database object.
   a) Select b) Privileges c) Revoke d) Grant
10. The _____ clause imposes a condition of the group by clause.
    a) group by b) Having c) Sub query d) Where.

**Q.2  Short Answer Question (Attempt any 10 out of 12)**     **[20]**
1. Define a) Tuples B) Attributes.
2. Define Relationship and List its types.
3. What is domain?
4. Explain Order By clause in brief.
5. What is SQL? State Advantages and Disadvantages of SQL in Brief
6. Explain any one auto committed command in short.
7. List all Scalar functions available in oracle.
8. How Unique key can apply at table level?
9. Explain concept of DUAL table
10. What is Privilege? List all object privileges.
11. Explain the use of Rollback
12. List the different types of Joins.

Q.3 (A) Explain Code Rules in Detail [05]
  (B) Draw and Explain Three level Architecture of DBMS [05]
<div align="center">**OR**</div>
Q.3 (A) Explain Data Models in Detail. [06]
  (B) Differentiate between DBMS and RDBMS [04]

Q.4 (A) Explain Create statement with its syntax and example. [05]
  (B) Explain Various ways to change structure of a table using alter [05]
  statement.
<div align="center">**OR**</div>
Q.4 (A) List various data types used in ORACLE. Explain in Detail. [05]
  (B) Explain various ways to insert a record in a table. [05]

Q.5 (A) Explain the concept of foreign key with appropriate example. [05]
  (B) Explain the concept of data constraints with example. [05]
<div align="center">**OR**</div>
Q.5 (A) List all aggregate functions used in ORACLE and explain it. [05]
  (B) Explain the concept of check constraint with example. [05]

Q.6 (A) What is Index? How various types of indexes are created? Explain [05]
  with syntax and example.
  (B) What is transaction processing? Explain Commit & Rollback. [05]
<div align="center">**OR**</div>
Q.6 (A) What is sequence? Explain creating and dropping sequence. [05]
  (B) What is join? Explain types of joins with syntax and example. [05]

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