[6 1]

SARDAR PATEL UNIVERSITY
BCA SEM : 02 EXAMINATION 2022
US02CBCA25 || DATABASE MANAGEMENT SYSTEM – I

DATE : 27/04/2022   TIME : 12.00 PM To 02.00 PM   MARKS : 70

Q.1 Multiple Choice Questions.   [10]

1. Relation can be represented as _____.
[A]. Record   [B]. Table   [C]. Row   [D]. Data

2. Which of the following is not three-schema architecture for a database?
[A]. Hierarchical   [B]. Network   [C]. Physical   [D]. Relational

3. Column of the relation are referred as _____.
[A]. Relationship   [B]. Tuples   [C]. Record   [D]. Attributes

4. _____ Statement is use to delete a table structure.
[A]. Drop   [B]. Delete   [C]. Remove   [D]. Update

5. _____ command is use to change a content of table.
[A]. Update   [B]. Change   [C]. Modify   [D]. Alter

6. A _____ value can be inserted into the columns of any data type.
[A]. Index   [B]. Null   [C]. Not Null   [D]. Unique

7. When a column is defined as not null, that column becomes a _____ column.
[A]. Unique   [B]. Primary Key   [C]. Mandatory   [D]. Not Compulsory

8. _____ represents relationships between tables.
[A]. Foreign Key   [B]. Primary Key   [C]. Unique   [D]. Default

9. The _____ clause imposes a condition of the group by clause.
[A]. Sub Query   [B]. Having   [C]. Group   [D]. Where

10. To make the change permanent a _____ statement has to be given at the SQL statement.
[A]. Save Point   [B]. Rollback   [C]. Commit   [D]. View

Q.2 Do As Directed.   [08]

1. ____ conceptual schemes are available per database?

2. ____ SQL PLUS command is use to open notepad editor for modifying last executed query.

3. Business rules, which are enforced on data being stored in a table, are called _____.

4. ____ returns the string passed as a parameter after right padding it to a specified length.

5. DBA has the centralized control of data in DBMS? [TRUE / FALSE]

6. Order by Clause is use with select statement to arrange records in ascending order or descending order. [TRUE / FALSE]

7. For character data-types the % sign matches any string. [TRUE / FALSE]

8. Functions that act on only one value at a time are called Scalar Function [TRUE / FALSE]

(P.T.O.)

Q.3 Write Short Answers For Following Questions : [ANY 10] [20]
1. What is relationship? List types of relationship.
2. Define: Super Key and Candidate Key
3. List Advantages of DBMS.
4. Explain the following term : set pagesize
5. List data types available in oracle.
6. Explain the use of ORDER BY clause in brief.
7. Explain concept of DUAL table.
8. What is the use of ROWID and SYSDATE?
9. What is table level and column level Constraints?
10. What are object privileges? List all object privileges.
11. Explain Group By clause.
12. What is sub-query? List types of sub-query.

Q.4 Write Answers for the following questions. [Any 04] [32]
1. Explain network and hierarchical data model.
2. Explain the three-schema architecture for a Database Management System.
3. Explain how user can create table and Insert data into target table with syntax and example.
4. Explain update and delete statement with its syntax and example.
5. Define primary key concept with appropriate syntax and example.
6. Define foreign key concept with appropriate syntax and example.
7. List and explain different types of join with syntax and example.
8. Explain following functions with syntax and example
   [A]. MAX ( ) [B]. SUBSTR ( )   [C]. ROUND ( ) [D]. SQRT ( )

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