**PSG COLLEGE OF ARTS & SCIENCE**
(AUTONOMOUS)
**BCA DEGREE EXAMINATION MAY 2022**
(Third Semester)

Branch – **COMPUTER APPLICATIONS**

**RELATIONAL DATABASE MANAGEMENT SYSTEMS**

Time: Three Hours                                          Maximum: 75 Marks
**SECTION-A (10 Marks)**
Answer **ALL** questions
**ALL** questions carry **EQUAL** marks          (10 x 1 = 10)

1.  A relational database consists of a collection of
    (i)  Tables                    (ii) Field
    (iii) Records                  (iv) Keys

2.  What name is given to the collection of facts, items of information or data which are related in some way ?
    (i)  Database Directory        (ii) Information Package
    (iii) Information Tree         (iv) Information Provider

3.  In SQL which command is used to change the data in table?
    (i) Update                     (ii) Insert
    (iii) Browse                   (iv) Append

4.  Which command is used to remove a table from database in SQL?
    (i) Delete Table               (ii) Drop Table
    (iii) Erase Table              (iv) Truncate Table

5.  Which of the following is not a valid SQL type?
    (i) Float                      (ii) Numeric
    (iii) Decimal                  (iv) Character

6.  How many e primary keys can have in a table?
    (i) Only1                      (ii) Only 2
    (iii) Depends on Number of Columns   (iv) Depends On DBA

7.  Which command is used to change the definition of a table in SQL?
    (i) CREATE                     (ii) UPDATE
    (iii) ALTER                    (iv) SELECT

8.  Which SQL keyword is used to short the result set?
    (i) Short By                   (ii) Order
    (iii) Order By                 (iv) Short

9.  SQL views are also known as
    (i) Simple Tables              (ii) Virtual Tables
    (iii) Complex Tables           (iv) Actual Tables

10. Trigger are supported in
    (i) Delete        (ii) Update   (iii) Views     (iv) All of the mentioned

## SECTION - B (25 Marks)
### Answer ALL questions
### ALL questions carry EQUAL Marks     (5 x 5 = 25)

11. a) Explain about the database system applications in RDBMS.

OR

  b) Summarise Data Storage and Querying in Database.

12. a) Describe overview of the design process in database design.

OR

  b) Discuss about the primary key candidate key with example.

13. a) Explain following with syntax

    SELECT

    PROJECT

OR

  b) Discuss about the set theory in RDBMS

14. a) Discuss the data types available in PL/SQL.

OR

  b) How will you to create query used in table? Explain with example.

15. a) Explain about the approaches in database Programming in SQL.

OR

  b) Describe Databases stored procedure and functions in SQL.

## SECTION -C (40 Marks)
### Answer ALL questions
### ALL questions carry EQUAL Marks     (5 x 8 = 40)

16. a) Categorize Purpose of Database system in RDBMS.

OR

  b) Distinguish Database Architecture in RDBMS.

17. a) Elucidate entity relationship model in RDBMS

OR

  b) Survey on alternative notations for modeling data in RDBMS.

18. a) Classify the different types of normal form in RDBMS with example.

OR

  b) How to use the JION relation operations in SQL with example.

19. a) Elucidate following with syntax

    Views

    Triggers

OR

  b) Discuss about the delete command and update command in SQL with suitable example.

20. a) Distinguish Embedded SQL and SQLJ with example.

OR

  b) Discuss about the JDBC Connection with suitable example.

Z-Z-Z          END