AA-1821

(072) PGDCA Term End Examination, 2021-22

RELATIONAL DATABASE MANAGEMENT SYSTEM (ORACLE)

Time : 3 hours]   **[Maximum Marks : 100**

Note : *Question number 1 is compulsory and answer one question from each unit. Figure in the right hand margin indicate marks.*

1.   Choose the correct answer of the following questions :   15×2=30

  (a)   A relational database consists of a collection of :

      (i) Tables   (ii) Fields   (iii) Records   (iv) Keys

  (b)   A………in a table shows a relationships among a set of values :

      (i) Column   (ii) Key   (iii) Row   (iv) Entry

  (c)   The term………is used to refer to a row :

      (i) Attribute   (ii) Tuple   (iii) Field   (iv) Instance

  (d)   Set of permitted values called the……… .

      (i) Domain   (ii) Relation   (iii) Set   (iv) Schema

  (e)   Elements of the domain are………units :

      (i) Different   (ii) Indivisible   (iii) Constant   (iv) Divisible

  (f)   The tuples of the relations can be of………order.

      (i) Any   (ii) Same   (iii) Sorted   (iv) Constant

  (g)   ………is a set of one or more attributes.

      (i) Candidate key   (ii) Sub key   (iii) Super key   (iv) Foreign key

  (h)   ………is a super key.

      (i) Name   (ii) ID   (iii) City   (iv) None

  (i)   A………is a property of entire relation.

      (i) Rows   (ii) Keys   (iii) Attribute   (iv) Fields

  (j)   ………is a primary key.

      (i) Name   (ii) Street   (iii) ID   (iv) None

  (k)   ………is a integrity constraints.

      (i) Referential   (ii) Referning   (iii) Specific   (d) None

  (l)   ………language get the data from database.

      (i) Query   (ii) Relational   (iii) Structural   (iv) Compiler

  (m)   The………operations merge pair of tuples.

      (i) Select   (ii) Join   (iii) Union   (iv) None

  (n)   The………operations performs UNION.

      (i) Join   (ii) Union   (iii) Product   (iv) Intersect

  (o)   DML is………

      (i) Data Manipulation Language   (ii) Data Mobile Language

      (iii) Both (i) & (ii)   (iv) None

Unit–I   14

2.   Discuss RDBMS in brief.

3.   How to create DBMS ? Please explain.

4. What is client/server model ?

Unit–II   **14**

5. Draw the E-R diagram of school.

6. Define various keys of DBMS.

7. How to perform aggregation in DBMS ?

Unit–III   **14**

8. Explain EQUI, join with example.

9. Discuss GROUP by clauses.

10. How to perform SET operations ?

Unit–IV   **14**

11. Explain Normalization.

12. Compare 3NF & 4NF.

13. How to create INDEX ? Explain in brief.

Unit–V   **14**

14. Discuss the role of constraints.

15. What is SQL ? How to work with it ?

16. Write a SQL to select the salary of person greater than ₹ 10,000.