Day : Monday

Date : 20-06-2022   **S-15469-2022**

Time : 02:00 PM-05:00 PM

Max. Marks : 60

N.B.:

1) Answer ANY THREE questions from Section I. Each question carries 10 Marks.
2) Answer ANY TWO questions from Section II. Each question carries 15 Marks.
3) Answers to Both the sections should be written in SAME answer book.
4) Draw a labeled diagram WHEREVER necessary.

SECTION - I

Q.1) Answer the following: (10 Marks X 1 = 10 Marks)

What is RDBMS? Explain the Components of RDBMS in details.

Q.2) Answer the following: (10 Marks X 1 = 10 Marks)

Explain the LOB data types in oracle with example.

Q.3) Answer the following: Attempt ANY ONE (10 Marks X 1 = 10 Marks)

a) Explain all the option that can be used with SELECT statement with example.
b) Differentiate between
   INNER JOIN and LEFT JOIN
   UNION and UNION ALL

Q.4) Answer the following: Attempt ANY ONE (10 Marks X 1 = 10 Marks)

a) Explain how views are used to provide the security to the table with example.
b) State and explain any 5 commands used in SQL report writing.

Q.5) Write short notes on the following: Attempt ANY TWO (5 Marks X 2 = 10 Marks)

a) Logical Operators in Oracle
a) Correlated Queries.
b) Uses of indexes
c) PL/SQL Statements and cursor attributes used in cursor processing

SECTION - II

Q.6) Answer the following: (15 Marks X 1 = 15 Marks)

Create table with all constraints specified.
Company(cid(PK),cname,cproduct,state)
Branches(bno,city)
Company and Branches are related with one to many relationships
Constraint : Primary Key, Customer name should not be null
write queries for the following:
   · List the product names of company 'Micro Tech'
   · List all the companies of product 'keyboard'
   · List all the branches along with city of company 'Lenovo'
   · Count the number of branches of company 'Compaq'

Q.7) Answer the following: (15 Marks X 1 = 15 Marks)

Write SQL queries for the following:
   Course(Cno(PK),Cname, Duration, Fees)
   Studnt(Rno(PK),Name,Address, Date_of_Birth,Cno(FK))
   a) Display names of students in ascending order.
   b) Display total number of courses offered.
   c) Display the course having lowest fees.
   d) Display the name of the student whose name having letter 'a' and 'e' as a second letter
      in their names.
   e) Display total numbers of student enrollment with the course name.

Q.8) Answer the following (15 Marks X 1 = 15 Marks)

Update the salary of employees by 10% who are working in department no. 20. (make use of cursors)

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