USCST09.2 - Elective-II : Computer Science Paper-II
(Database Programming with Oracle)

P. Pages : 2

Time : Three Hours

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GUG/W/23/13086

Max. Marks : 50

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Notes :   1.   All the questions are compulsory and carry equal marks
          2.   Draw neat, labeled diagrams whenever necessary.

Either:

1. a) Differentiate between SQL and PL/SQL.   **5**

b) Explain the following operations with syntax and example   **5**

i)   Drop table

ii) Alter table clause

OR

c) Explain Data Control Language component in brief.   **5**

d) Define database users. Explain the role of database users.   **5**

Either:

2. a) Explain with suitable example of order by clause.   **5**

b) Consider the following table: (student (stdno, stdname, sub1, sub2, sub3 tot))   **5**
    Answer the following query –

i)   To display name of students and total marks of all the students.

ii) To display student information whose roll number is 108.

OR

c) Give syntax, purpose and example of select command.   **5**

d) Consider the following table: **5**

Employee (empno, empname, doj, sal)

Answer the following query-

i)   To add information of employee into employee table.

ii) To delete record of employee whose empno = 102.

Either:

3. a) What are the various aggregate functions? Explain any two with example. **5**

b) Write syntax and example of updating a views. **5**

OR

c) Consider the following table: **5**
teacher – master (teacher-id, name, city) student-master (student-id, name, city)
Answer the following query using SET operator

   i) Retrieve the names of all the teachers and students in the city "Chandrapur" from the above table.

d) Create a view that retrieves the information about employee whose salaries are greater than 5000. **5**

Either:

4. a) Write a program in PL/SQL to swap the values of two variables without using a third variable. **5**

b) Write steps to create packages. **5**

OR

c) Differentiate between explicit cursor and implicit cursor. **5**

d) Write a PL/SQL code to find the largest of three numbers. **5**

5. Attempt all questions?

   a) Differentiate between long and long raw. **2½**

   b) What is save point in SQL with example. **2½**

   c) Define sub query with example. **2½**

   d) Write a PL/SQL program to find whether the number is even or odd. **2½**

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