

M.C.M. - II (CBCS Pattern) Semester-III  
**PCMCMT303.1 - Elective-I Paper-III : Oracle (PL / SQL Programming)**

P. Pages : 2

Time : Three Hours



**GUG/W/24/10773**

Max. Marks : 80

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- Notes :
1. All the questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagrams wherever necessary.
  3. Avoid vague answers and write specific answer related to question only.

**Either:**

1. a) Explain the term Oracle as multi-user system in detail. 8
- b) What are the components of SQL? Explain. 8

**OR**

- c) Enlist and explain the Data types in oracle. 8
- d) Explain the elements of SQL in detail. 8

**Either:**

2. a) What is DDL? Explain data integrity through constraints. 8
- b) Explain the group queries under data retrieval. 8

**OR**

- c) Enlist and explain the DML operations. 8
- d) Write a detail note on: 8
  - i) Grant
  - ii) Revoke

**Either:**

3. a) Explain any four character functions in SQL. 8
- b) Write a note on case manipulation functions. 8

**OR**

- c) Demonstrate the various conversion functions in SQL. 8
- d) Explain the database objects in detail. 8

**Either:**

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|-----------|----|---|----------|
| <b>4.</b> | a) | What do you mean by PL/SQL? Explain the basic elements of PL/SQL. | <b>8</b> |
|           | b) | What is subprogram. Explain with suitable example.                | <b>8</b> |

**OR**

- |           |    |   |          |
|-----------|----|---|----------|
|           | c) | Explain the concept of Exception Handling also describe the predefined exception in PL/SQL. | <b>8</b> |
|           | d) | Differentiate between Explicit cursor and Implicit cursor.                                  | <b>8</b> |
| <b>5.</b> |    | Solve all the questions.  |          |
|           | a) | Write a note on Database users.   | <b>4</b> |
|           | b) | Explain Transaction control language.   | <b>4</b> |
|           | c) | Enlist and explain any two group functions in SQL.  | <b>4</b> |
|           | d) | What do you mean by Trigger? Explain.   | <b>4</b> |

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