

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/S/23/10773

Max. Marks : 80

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

Either :-

1. a) What is SQL? What are the various sublanguages of SQL? 8
- b) Explain the various effects on the specification of precision and scale during defining a NUMBER as a datatype with suitable example. 8

OR

- c) What is RDBMS? Why oracle called a Multiuser System? 8
- d) Write a procedure to start SQL * Plus and define different elements of SQL. 8

Either :-

2. a) What do you mean by table? Write the rules for naming a table. 8
- b) Explain the following elements/ clause supported by select statement 8
 - i) GROUP BY
 - ii) WHERE
 - iii) HAVING

OR

- c) Explain the following predicates with an example. 8
 - i) LIKE
 - ii) BETWEEN
 - iii) IN
 - iv) IS NULL
- d) Define and explain Data Integrity Constraints. 8

Either :-

3. a) Explain the view with syntax and write the limitation of view. 8
- b) Explain the various special operator used in the subquires. 8

OR

- c) Define function and explain their advantages. 8
- d) Explain the following joins using suitable example: 8
- i) Equi-Join
 - ii) Outer Join
 - iii) Self-Join
 - iv) Cartesian Join

Either :-

4. a) What are the categories of exception handling and write difference between them. 8
- b) Define triggers. Explain various types of triggers. 8

OR

- c) What are three different modes of parameters which can be passed to a procedure? Describe them. 8
- d) Explain the term subprogram and procedure with suitable example. 8

5. Attempt **all** the questions.

- a) Write a difference between char and varchar2 datatype. 4
- b) Write syntax and explain how to alter the password. 4
- c) What do you mean by null in oracle and how it is handled? 4
- d) What is the need for PL/SQL? 4
