B.Sc.-II (Information Technology) (CBCS Pattern) Semester - III
UBITT303 - Paper-III : Database Programming -Oracle (SQL & PL/SQL)

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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) Explain different data types in SQL.   **4**

b) What are database object ? Explain in detail.   **4**

OR

c) How to create user and password ? Explain suitable example.   **4**

d) What is DBA ? Explain its Role.   **4**

Either

2. a) Explain Insert data manipulation command along with syntax and example.   **4**

b) What is use of group by clause ? Explain with suitable example.   **4**

Write a sql query to find total salary of each department paying to its employee consider Suitable employee table.

OR

c) What are like and between predicates ? Explain.   **4**

d) What is aggregate function ?   **4**

Write a sql query to maximum salary of employee by consider suitable employee table.

Either

3. a) Explain a syntax of PL/SQL program with example.   **4**

b) Write a PL/SQL program which accept two values from keyboard and calculate sum of these two and print its output.   **4**

OR

c) What is explicit cursor ? What are steps to create cursor ? Explain.   **4**

d) Write a PL/SQL program to find factorial of given number.   **4**

Either

4. a) What is package ? Explain with example. **4**

b) Write a procedure in PL/SQL to print "HELLO" message 5 times. **4**

OR

c) What are triggers ? Explain its types. **4**

d) Write a function in PL/SQL to accept two numbers and it multiply both return result. **4**

5. Attempt **all** the questions.

a) What is reserved word ? **2**

b) Explain update command in SQL. **2**

c) Explain control statement in PL/SQL. **2**

d) How to call procedure with different ways ? Explain. **2**

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