

B.Sc. (With Credits)-Regular-Semester 2012 Sem V  
**B.Sc.3514 : Computer Science-II**  
**(Database Programming With Oracle)**  
**Paper-II**

P. Pages : 2

Time : Three Hours



GUG/S/16/3361

Max. Marks : 50

Notes : 1. All questions are compulsory and carry equal marks.

1. Either :
- a) Explain the terms SQL and SQL\*PLUS. 5
  - b) Write a note on data manipulation language. 5

**OR**

- c) Explain the different elements of SQL. 5
- d) discuss the various database objects. 5

2. Either :
- a) Explain the various constraints used during creation of table. 5
  - b) Explain the following predicates. 5
    - i) like
    - ii) is null

**OR**

- c) Explain SELECT statement with suitable example. 5
- d) Consider the following table of SALES. 5

Salesman_no	Prod_no	Profit
S003	P001	50
S004	P002	30
S001	P001	20
S003	P001	40
S002	P002	35
S001	P002	25

- i) Write command to find out average profit of product P001.
- ii) Write command to display salesman\_no in descending orders.

3. Either :
- a) What are join ? Explain the Equi-join and cartesian-join with suitable example. 5
  - b) Explain the following character function with suitable example. 5
    - i) INSTR()
    - ii) INITCAP()

**OR**

c) Explain the CASE END with suitable example. 5

d) Explain any two conversion function with suitable example. 5

4. Either :

a) Write a PL/SQL block to calculate the area of circle, check the value of radius is positive and display appropriate message. 5

b) Write the situation when the following exception occurs. 5  
i) DUP\_VAL\_ON\_INDEX      ii) VALUE\_ERROR

**OR**

c) Explain the various pre-defined exceptions supported by PL/SQL. 5

d) Explain the following attribute that are associated with explicit cursor with suitable example. 5  
i) %NOTFOUND                      ii) %ROWCOUNT

5. Attempt all the question.

a) List the various types of users. 2½

b) Give syntax, purpose of UPDATE-SET-WHERE statement. 2½

c) Discuss the limitation of views. 2½

d) Write a structure of PL/SQL block. 2½

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