



GUG/W/15/3361

B.Sc. III (With Credits)-Regular-Semester 2012 Sem V

**B.Sc. 3514 Computer Science II**  
**Paper- II (Database Programming**  
**With Oracle)**

P. Pages : 4

Time : Three Hours

Max. Marks : 50

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

**1. Either :**

- a) What is SQL ? Write down the features of SQL. **5**
- b) Write a procedure to start SQL \*plus and explain the significance of password and host string. **5**

**OR**

- c) Explain and write down various data types supported by SQL with example. **5**
- d) What do you mean by data object? List various types of data objects. **5**

**2. Either :**

- a) Give purpose and syntax of following operation with syntax over a table : **5**
- i) Creating a table
  - ii) Dropping table
- b) Explain various operators used in SQL with example. **5**

**OR**

- c) What is TCL ? Explain various commands supported under TCL in SQL. **5**
- d) Write syntax, purpose and example of following commands – **5**
- i) Create table
  - ii) Update table

3. a) What is function ? Explain following data function : **5**
- i) NEXT\_DAY
  - ii) LAST\_DAY
  - iii) ADD\_MONTH
  - iv) MONTHS\_BETWEEN

- b) What is sequence ? What are advantages and disadvantages of sequence. **5**

**OR**

- c) Create a view that refrives the information about employees whose salaries are greater then 15000. **5**

- d) What are join? Explain various types of joins. **5**

**4. Either :**

- a) Explain and write the structure of PL/SQL Block. **5**

- b) Write a PL/SQL block to check year is leap or not. **5**

**OR**

c) What is cursor ? Explain various kinds of cursors supported by PL/SQL. **5**

d) Create a procedure that displays the information of donar by accepting donar number. **5**  
Donar (Dno, Dname, Age, Gender)

**5.** Attempt **all** questions.

a) List various types of users. **2½**

b) Write note on having clause. **2½**

c) Write a note on synonym. **2½**

d) What do you mean by : **2½**  
i) Trigger Event  
ii) Trigger Action

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