Bachelor of Science (B.Sc.I.T.) (Semester–IV) Examination
ORACLE
Paper–IV

Time : Three Hours]   [Maximum Marks : 50

N.B. :— (1) All questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagram wherever necessary.

EITHER

1. (A) Explain Codd's rules for RDBMS.   5

(B) Explain any two database objects giving suitable example.   5

OR

(C) Explain the responsibilities of DBA in detail.   5

(D) Explain the datatypes supported by SQL with an example.   5

EITHER

2. (A) What do you mean by aggregate functions? Explain any four with an example.   5

(B) Explain PL/SQL block structure with suitable example.   5

OR

(C) Explain the following clauses :

(i) Group by

(ii) Order by   5

(D) Write a program in PL/SQL to find largest of three numbers.   5

EITHER

3. (A) What is cursor? Explain different attributes of cursor with suitable example.   5

(B) What is package ? Why do we use packages in databases?   5

OR

(C) What is exception? Explain Dup-val-on-Index exception with suitable example.   5

(D) Explain procedures having parameters with an example.   5

EITHER

4. (A) What is trigger? List different types of triggers and explain its syntax with example. 5

(B) Write a note on nested tables.   5

OR

(C) What are built in packages? Explain any two in detail.   5

(D) What is array? Explain its declaration and initialization.   5

5. Attempt **all** :

(A) Give the benefits of SQL.   2½

(B) What is view? Write the syntax for creating a view.   2½

(C) Write a note on implicit cursor.   2½

(D) What are the restrictions used in Triggers?   2½