

**Bachelor of Science (B.Sc.I.T.) Semester—IV (C.B.S.) Examination**

**ORACLE**

**Paper—IV**

Time : Three Hours]

[Maximum Marks : 50

**Note :—** (1) All questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagrams wherever necessary.

**EITHER**

1. (A) Define RDBMS. Discuss “Oracle as multiuser system”. 5
- (B) List database objects that can be created in Oracle. Explain any two of them. 5

**OR**

- (C) Write the steps to create a user account and alter the existing password. 5
- (D) Student table has the following structure :

Column Name	Data type	Size
stud_id	NUMBER	4
stud_name	VARCHAR 2	20
stud_add	VARCHAR 2	50
stud_fees	NUMBER	(10, 2)

Modify the above table to :

- (i) Change data type of stud\_fees column to NUMBER (7, 2)
- (ii) Add primary key constraint to stud\_id column
- (iii) Change size of stud\_name column to 30
- (iv) Change data type of stud\_add to CHAR-50. 5

**EITHER**

2. (A) What do you mean by aggregate function ? Explain following with suitable example :
  - (i) SUM
  - (ii) MIN
  - (iii) COUNT
  - (iv) AVG. 5
- (B) Explain PL/SQL block structure in detail. 5

**OR**

- (C) What is view ? What are the advantages of creating a view ? Write syntax to create a view taking suitable example. 5
- (D) Explain PL/SQL data types with suitable example. 5

**EITHER**

3. (A) What is cursor ? Explain different types of cursor. 5
- (B) Explain procedure having parameters with example. 5

**OR**

- (C) Define Exception. Explain exception handling in PL/SQL with suitable example. 5
- (D) What is package ? State and explain advantages of packages. 5

**EITHER**

4. (A) What is trigger ? Write a note on enabling and disabling triggers. 5  
(B) Explain any two built in packages. 5

**OR**

- (C) Compare all the collection types. 5  
(D) Write notes on :  
(i) Varrays  
(ii) Nested tables. 5
5. Attempt **ALL** :  
(A) Write a note on keywords in SQL. 2½  
(B) Explain the syntax of insert command with suitable example. 2½  
(C) State differences between procedure and function. 2½  
(D) Give the syntax for creating a trigger. List the different types of trigger. 2½