

Bachelor of Science (B.Sc. I.T.) Semester—IV (C.B.S.) 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) What do you mean by database object ? Explain any two database objects that can be created in Oracle. 5
- (b) What are the responsibilities of DBA ? Explain in detail. 5

OR

- (c) Differentiate between :
 - (i) char and varchar2
 - (ii) raw and longraw. 5
- (d) Explain any ten Codd's Rules. 5

EITHER

2. (a) Explain UPDATE command with an example. 5
- (b) Consider the following table :

client_master (client_no, name, city)

salesman_master (salesman_no, name, city)

Answer the following query using the SET operator :

- 1 > Retrieve the names of all the clients and salesmen in the city "Nagpur" from the above table. 5

OR

- (c) Explain with an example how to create a table from existing table. 5
- (d) Explain any five aggregate functions giving suitable example. 5

EITHER

3. (a) What is a view ? Create a view that retrieves the information about employees whose salaries are greater than 5000. 5
- (b) Create a function that returns the updated salary of an employee on the basis of employee number and Increase the salary by 10%. 5

OR

- (c) Differentiate between Explicit Cursor and Implicit Cursor. 5
- (d) Write steps to create packages. 5

EITHER

4. (a) What is VARRAY ? Write steps for creating VARRAY. 5
- (b) Write a trigger on the Employee table, which makes the entry in name column in uppercase. Employee (name, age, sal). 5

OR

- (c) Explain the various collection methods supported in the nested table. 5
- (d) Explain the concept of package with syntax and explain various built in packages. 5
5. Attempt **ALL** :—
- (a) Explain “date” datatype in Oracle. 2½
- (b) Write a PL/SQL program to find whether the number is even or odd. 2½
- (c) What do you mean by exception ? 2½
- (d) What is database trigger ? 2½