

TKN/KS/16/5936

Bachelor of Science (B.Sc.) Semester—VI
(C.B.S.) Examination
COMPUTER SCIENCE
Paper—II
(SQL & PL/SQL)

Time—Three Hours]

[Maximum Marks—50

- Note :—** (1) All questions are compulsory and carry equal marks.
(2) Draw neat and labelled diagram wherever necessary.

EITHER

1. (a) Define Constraint.

Explain the following integrity constraints with example :

(i) CHECK

(ii) PRIMARY KEY.

5

- (b) Create the following table :

Student (Stuid, Stuname, Stuaddr, Stufees)

Write a query :

- (i) to insert a record

(ii) to delete records with fees less than 5000. 5

OR

(c) Explain CODD's rule. 5

(d) Explain any two Date functions with example. 5

EITHER

2. (a) What is view ?

Write syntax, purpose and example of creating views. 5

(b) Explain CASE statement with example in oracle. 5

OR

(c) Create a view that gives access to limited information about employee in Department no. 004. 5

(d) List and explain all sections of PL/SQL block. 5

EITHER

3. (a) What are exceptions ?

Write short note on 'User defined exceptions'. 5

(b) What is a cursor ?

Explain Attributes of Explicit Cursor. 5

OR

(c) What is Procedure ?

State syntax, purpose and example of following :

(i) CREATE PROCEDURE

(ii) DROP PROCEDURE. 5

(d) Write PL/SQL block that uses cursor to increment salary by Rs. 2,500 of the employees having department number 101. 5

EITHER

4. (a) Discuss purity level in function. 5

(b) Write short note on before and after triggers. 5

OR

(c) Create a trigger that restricts a user to insert a row on empty table on Sunday. 5

(d) What is function ?

State syntax, and purpose of

(i) creating function

(ii) dropping function. 5

5. Attempt **ALL** :

- (a) Explain GRANT Statement. 2½
- (b) Explain purpose of Materialized view. 2½
- (c) What is predefined exception ? Explain ZERO-DIVIDE exception. 2½
- (d) Write syntax to create a trigger. 2½