NRT/KS/19/2232

Bachelor of Computer Application (B.C.A.)Semester–IV Examination

SQL AND PL/SQL

Paper–II

Time : 3 Hours] [Maximum Marks : 50

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

(2) Draw neat and labelled diagrams wherever necessary.

EITHER

1. (a) Explain Codd's rule in detail. 5

(b) Explain UPDATE and DELETE command with examples. 5

OR

(c) 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

(d) Explain Aggregate functions with example. 5

EITHER

2. (a) What is a View ? Create a view that retrieves the information about employees whose salaries are greater than 5000. 5

(b) Explain PL/SQL data types with example. 5

OR

(c) Write a PL/SQL code to find the largest of three numbers. 5

(d) What is Operator ? Explain PL/SQL operators in detail. 5

EITHER

3. (a) What is Exception ? Explain Exception handling in PL/SQL with suitable example. 5

(b) Write a procedure in PL/SQL to increase the salaries of all employees in an organization by 10%. employee (Name, AGE, SEX, BASIC_SAL). 5

OR

(c) What is Cursor ? Differentiate between implicit and explicit cursor. 5

(d) What is Procedure ? Explain how to create a procedure using parameter. 5

EITHER

4. (a) What is Trigger ? Write a note on 'enabling and disabling trigger'. 5

(b) Create a function that calculates and returns the factorial of a number. 5

OR

(c) Explain the use of BEFORE and AFTER triggers giving suitable examples. 5

(d) Write a function that finds and returns the larger of two numbers. 5

5. (a) Explain integrity constants. 2½

(b) Explain PL/SQL block structure. 2½

(c) Explain IN, OUT and IN-OUT Parameters in procedure. 2½

(d) Explain purity levels in functions. 2½