

B.Sc. Semester-V Examination, 2022-23**COMPUTER SCIENCE (Programme)**

Course ID : 51510 Course Code : SP/CSC/504/SEC-3

Course Title : My SQL Programming (Using SQL/PL-SQL)
- Theory**OR****PHP Programming - Theory**

Time : 1 Hour 15 Minutes

Full Marks : 25

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*Answer **all** the questions.**[My SQL Programming (Using SQL/PL-SQL) - Theory]**1. Answer any **five** of the following questions:

1×5=5

- What are fields in DBMS?
- What is a primary key?
- Mention full form of DDL and DCL.
- Mention some data types used in MySQL.
- What is Data Base Management system? Give example.
- What are the different types of strings used in MySQL?

[Turn Over]

- What are the different types of joins in MySQL?
- What is transaction in DBMS?

2. Answer any **two** of the following questions:

5×2=10

- Differentiate between SQL and PL/SQL? What is the difference between commit and roll back?
3+2=5
- What is the syntax to add a foreign key in an already created table? What is the difference between order by and group by with example?
2+3=5
- Describe different states of transaction. 5
- What is view? Why we use it? Write difference between DDL and DCL. 2+3=5

3. Answer any **one** of the following questions:

10×1=10

- Consider the following tables, answer the queries given below:

Suppliers (SNo, Sname, Status, SCity)**Parts (PNo, Pname, Colour, Weight, City)****Shipment (Sno, Pno, Jno, Quantity)**

- Create supplier table with SNo as primary key.

- ii) Delete red color parts.
 - iii) Set Pno as foreign key in Shipment table reference to Pno in parts table,
 - iv) Get supplier numbers for suppliers in Paris with status >20.
 - v) Get suppliers details for suppliers who supply part P2. Display the supplier list in increasing order of supplier numbers.
- b) What is transaction? Describe commit, savepoint and rollback with example.

(PHP Programming - Theory)

1. Answer any **five** of the following questions:

1×5=5

- a) What is the full form of PHP?
- b) What is Function? Give example.
- c) How to declare a variable in PHP?
- d) What is global variable?
- e) What is the use of loop in PHP?
- f) How to set a page as home page in a PHP based site?
- g) What is the use of echo in PHP?
- h) How to declare an array in PHP?

2. Answer any **two** of the following questions:

5×2=10

- a) Differentiate between GET, POST and REQUEST method.
- b) Explain "do...while" construct used in PHP.
- c) Explain different operators in PHP.
- d) Write a function in PHP that accept two strings and concatenates them.

3. Answer any **one** of the following questions:

$$10 \times 1 = 10$$

- a) Write a programme to sort an array in PHP.
- b) Create a page using functions for comparing three integers and print the largest number. Write a function to calculate the factorial of a number (non-negative integer). The function accept the number as an argument.
