

**B.Sc. 5th Semester (Programme) Examination, 2019-20**

**COMPUTER SCIENCE**

**Course ID : 51510**

**Course Code : SP/CSC-504-SEC-3**

**Course Title: MySQL Programming**

**Time: 1 Hour 15 Minutes**

**Full Marks: 25**

*The figures in the right hand side margin indicate full marks.  
Candidates are required to give their answers in their own words  
as far as practicable.*

1. Answer *any five* questions: 1×5=5
- (a) What is the default port for MySQL server?
  - (b) Mention full form of DDL and DCL.
  - (c) Mention some data types used in MySQL?
  - (d) What is Data Base Management system? Give example.
  - (e) What are the different types of strings used in MySQL?
  - (f) Can we use MySQL and LINUX operating system? What is the syntax for it?
  - (g) What are the different types of joins in MySQL?
  - (h) What is transaction in DBMS?
2. Answer *any two* questions: 5×2=10
- (a) Differentiate between SQL and PL/SQL? What is the difference between CHAR and VARCHAR? 3+2=5
  - (b) What is the syntax to add a primary key in an already created table? What is the difference between delete, truncate and drop command? 2+3=5
  - (c) Describe different states of transaction.
  - (d) What is view? Why we use it? Write the command to create a view with some condition.
3. Answer *any one* question: 10×1=10
- (a) 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)**
    - (i) 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) Explain different types of joining used in MySQL with example. (SQL queries must be given in example.)

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**COMPUTER SCIENCE**

**Course ID : 51510**

**Course Code : SP/CSC-504-SEC-3**

**Course Title: PHP Programming**

**Time: 1 Hour 15 Minutes**

**Full Marks: 25**

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Candidates are required to give their answers in their own words  
as far as practicable.*

1. Answer *any five* questions: 1×5=5
    - (a) What is PHP?
    - (b) What is top down programming approach? Give example.
    - (c) How to declare a variable in PHP?
    - (d) How to find length of a string?
    - (e) What is the use of 'isset()' 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* questions: 5×2=10
    - (a) Differentiate between GET, POST and REQUEST method.
    - (b) Describe different errors in PHP.
    - (c) Explain different operators in PHP.
    - (d) What is SESSION and why do we use it? How to create a SESSION?
  
  3. Answer *any one* question: 10×1=10
    - (a) What is dynamic page? Create a login and logout page using 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.
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