Date: 28-04-2018   Dept. No.   Max. : 100 Marks
Time: 09:00-12:00

Part A   **10 x 2 = 20**

Answer ALLthe Questions

1. "Freeware and Open-source Software are different". Justify the statement in a few lines.
2. What is FSF?
3. List the primitives in PHP.
4. What is an associative array in PHP?
5. What necessitates data validation?
6. Write about 'POST' method of form data handling.
7. What is Eclipse?
8. Name any two PHP Frameworks.
9. List any two JavaScript derivatives.
10. Can HTML tags be embedded inside JavaScript? Give one example.

Part B   **5 x 8 = 40**

Answer ALL the Questions

11 a) Amplify Mr. Richard Stallman's contribution in FSF movement.
                         OR
   b) Elaborate how one can make a living with Free Software.
12 a) Substantiate operators in PHP.
                         OR
   b) Write short notes on (i) Web Client (ii) Web Server
13 a) Explain any two CMS Frameworks developed using PHP.
                         OR
   b) Demonstrate Regular Expressions in PHP.
14 a) Explain the MySQL statements for performing operations on Table Data.
                         OR
   b) Explain the String types in MySQL.
15 a) Explain the Control Statements in JavaScript.
                         OR
   b) Explain the data types in JavaScript

Part C   **2x 20 = 40**

Answer any TWO Questions

16 a)   Write in detail about FOSS Licenses.
   b)   Elucidate the salient features of PHP.

17 a)   Explain the string functions in PHP.
   b)   Write down at least five MySQL statements with 'where' and 'group by' parameters.

18 a)   Illustrate JavaScript Math Objects.
   b)   Elaborate widely recognized FOSS Projects.