LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – **COMPUTER APPLICATIONS**

FIRST SEMESTER – **NOVEMBER 2018**

CA 1806– FREE AND OPEN SOURCE SOFTWARE DEVELOPMENT

Date: 29-10-2018   Dept. No. 　　　　　　 Max. : 100 Marks
Time: 01:00-04:00

Part A

Answer ALL the Questions: **10 x 2 = 20**

1. Why did Mr. Richard Stallman want to establish FSF?

2. What is Freeware?

3. What is a Server-side Script Language? Give one example.

4. Write a short note on LAMP.

5. What is a Cookie?

6. Define the term Session.

7. List any four Numeric types in MySQL.

8. What does an aggregate function in MySQL do?

9. What is CSS?

10. How does 'Inline' style sheet differ from that of 'Internal' style sheet?

Part B

Answer ALL the Questions: **5 x 8 = 40**

11 a) Compare and Contrast Open Source Software and Proprietary Software.

OR

b) Describe the history of Free Software and Open source Software.

12 a) Write short notes on (i) Web Client (ii) Web Server

OR

b) Provide an overview of PHP.

13 a) Explain the user defined Functions in PHP.

OR

b) What is validation and why do we need to validate form data-entry?

14 a) Explain MySQL basic data types.

OR

b) What are the MySQL statement used for aggregating and grouping data?

15 a) Explain the Style Specification Formats with an example.

OR

b) Briefly discuss the advantages of Ajax.

Part C

Answer any TWO Questions: **2x 20 = 40**

16 a) Write an essay on BSD Software.

b) Explain the advantages and disadvantages of Client-side and Server-side

technologies.

17 a) Write the code PHP web page to display the largest among two numbers.

b) Demonstrate the MySQL statements for running calculations on Table Data.

18 a) Elaborate CSS with an example.

b) Elucidate the widely used FOSS licenses.

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