

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



M.C.A.DEGREE EXAMINATION –COMPUTER APPLICATIONS

FIRST SEMESTER – APRIL 2018

CA 1806– FREE AND OPEN SOURCE SOFTWARE DEVELOPMENT

Date: 28-04-2018
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

Part A

Answer ALL the Questions:

10 x 2 = 20

1. What is closed-source and how does it differ from open-source?
2. List any four examples for System Software.
3. Define the term script.
4. Write a note on PHP support to a variety of RDBMS products.
5. How does Server-side script offer more security for the web applications?
6. What is the use of a Session?
7. What is XAMPP?
8. List any two examples for 'IDE'.
9. List the advantages of CSS.
10. How do we declare a variable in JavaScript?

Part B

Answer ALL the Questions:

5 x 8 = 40

11 a) Substantiate BSD Software.

OR

b) Explain the value propositions of Free and Open source Software.

12 a) Compare and Contrast Client-side Scripting Technologies from Server-side Scripting Technologies.

OR

b) List the advantages of PHP.

13 a) Explain the user-defined functions in PHP.

OR

b) Demonstrate any five String Functions in PHP.

14 a) Write any four MySQL queries with 'where' clause and describe each query briefly.

OR

b) Elaborate the advantages of MySQL over proprietary RDBMS.

15 a) Illustrate Inline style sheet for a specimen web page.

OR

b) Demonstrate the properties such as Font, List, and Text elements.

Part C

Answer any TWO Questions:

2x 20 = 40

16 a) Explain the advantages and disadvantages of Proprietary, and Open Source Software.

b) Provide a detailed description on various FOSS projects.

17 a) Explain the control structures in PHP.

b) Substantiate the MySQL statements for performing operations on table data

18 a) Demonstrate internal and external Style Sheets.

b) Write short notes on the date and time types in MySQL.
