



**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

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

**FIRST SEMESTER – NOVEMBER 2017**

**CA 1806 – FREE AND OPEN SOURCE SOFTWARE DEVELOPMENT**

Date: 08-11-2017

Dept. No.

Max. : 100 Marks

Time: 01:00-04:00

**Part A**

**10 x 2 = 20**

**Answer ALL the Questions**

1. What is a Source Program?
2. What is Freeware?
3. What is a Server-side Script Language? Give one example.
4. Write a short note on the origin and growth of PHP.
5. Define the term session.
6. What is the difference between 'get' and 'post' method?
7. How does delete SQL Statement differ from drop SQL Statement?
8. List any two aggregate functions.
9. Provide any two advantages of CSS.
10. What is AJAX?

**Part B**

**5 x 8 = 40**

**Answer ALL the Questions**

11 a) Elucidate the significant FOSS projects.

OR

b) Elaborate the evolution of Free Software Foundation.

12 a) Illustrate the primitives in PHP with code snippets.

OR

b) Provide an Overview of PHP.

13 a) Explain user defined Functions in PHP.

OR

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

14 a) Substantiate basic data types in MySQL.

OR

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

15 a) Explain Style Specification Formats.

OR

b) Briefly explain the advantages of Ajax.

**Part C**

**2x 20 = 40**

**Answer any TWO Questions**

16 a) Write an essay on the origin and growth of Open Source Software development.

b) List out the advantages and disadvantages of Client-side and Server-side technologies.

17 a) Provide only the syntax for various String and Math functions in PHP.

b) Explain the MySQL statements for running calculations on Table Data

18 a) Demonstrate web page with external CSS.

b) Enumerate the widely used FOSS licenses.

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