



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FIRST SEMESTER – NOVEMBER 2015

CA 1806 - FREE AND OPEN SOURCE SOFTWARE DEVELOPMENT

Date : 07/11/2015

Dept. No.

Max. : 100 Marks

Time : 01:00-04:00

Part A

Answer ALL the Questions

10 x 2 = 20

1. What is Object Code?
2. What is the difference between the Compiler and Interpreter?
3. Give any two examples for PHP Open source projects.
4. What are the primitives in PHP?
5. What is Server-side Script?
6. Write short note on rand().
7. List any four numeric data types in MySQL.
8. Write short note on the contribution of 'Apache Friends'.
9. What is the difference between dropping and deleting in the context of a table?
10. List a few Java Script frameworks.

Part B

Answer ALL the Questions

5 x 8 = 40

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

OR

b) Discuss BSD Software.

12 a) Discuss the primitives in PHP.

OR

b) Explain the conditional statements in PHP.

13 a) Explain user defined functions in PHP.

OR

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

14 a) List out the significant advantages of MySQL over proprietary RDBMS.

OR

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

15 a) Explain Style Specification Formats.

OR

b) Briefly discuss the advantages of Ajax.

Part C

Answer any TWO Questions

2x 20 = 40

- 16 a) Discuss various FOSS projects.
- b) Explain the advantages and disadvantages of Client-side and Server-side technologies.
- 17 a) Discuss the handling of Regular expressions in PHP.
- b) Write at least ten MySQL statements to be used for creating and manipulating a table in a database.
- 18 a) Discuss CSS with an example.
- b) Explain the date and time types in MySQL.
