



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

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

FIRST SEMESTER – NOVEMBER 2016

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

Date: 02-11-2016  
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

**PART A**

**Answer ALL Questions**

**10 x 2 = 20**

1. What is a system software?
2. “Open Source enables one to make a living” – Comment in a few lines.
3. What are the objectives of Script?
4. Expand LAMP.
5. List any two math functions in PHP.
6. Define the term session.
7. Write the syntax for dropping a table.
8. What is the current version of MySQL stable release?
9. What is XAMPP?
10. Write any two uses of CSS.

**PART B**

**Answer ALL Questions**

**5 x 8 = 40**

- 11 a) What are the drawbacks of proprietary software?  
OR  
b) Discuss Apache License.
- 12 a) What are the differences between client-side and server-side scripting languages?  
OR  
b) Discuss the execution of PHP pages with neat diagram and code snippet.
- 13 a) How could programmers develop custom functions in PHP?  
OR  
b) Explain Date and Time types in PHP.
- 14 a) Explain the MySQL statements for performing operations on Table Data.  
OR  
b) Provide the syntax for various math functions in PHP.
- 15 a) ‘HTML does not deal with styling’. Is this statement true? Briefly explain the different types of style sheets.  
OR  
b) Discuss the properties such as Font, List, and Text.

**PART C**

**Answer any TWO Questions**

**2x 20 = 40**

- 16 a) Write in detail about the advantages and disadvantages of Free, and Open Software.  
b) Discuss the FOSS Licenses in detail.
- 17 a) Explain the string types in MySQL.  
b) What are the MySQL statements used for aggregating and grouping data?
- 18 a) Discuss the control structures in PHP.  
b) Explain the widely recognized FOSS Projects.

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