



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

**M.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE**

**THIRD SEMESTER – NOVEMBER 2014**

**CS 3820 - OPEN SOURCE TECHNOLOGY**

Date : 01/11/2014  
Time : 09:00-12:00

Dept. No.

Max. : 100 Marks

**PART – A**

**Answer all:**

10x2 = 20 marks

1. What is Lamp?
2. How to add and remove user in Linux?
3. Define the following terms: (i) Kernel (ii) Shell
4. What is cron command in Linux?
5. What is CC compiler?
6. What is SANE? Mention the use of it.
7. Write the difference between client and server script language.
8. What is a cookie? How to create a cookie in PHP?
9. Write any four features of MySQL.
10. What is exception in PHP?

**PART – B**

**Answer all:**

5x8 = 40 marks

- 11.a) Explain about the characteristics of open source software.  
(or)  
b) Write a short note on various features of Python
- 12.a). Write a short note on RPM.  
(or)  
b). Explain about at command in Linux.
- 13.a). Write a short note on GCC compiler.  
(or)  
b). Explain about the various features of open office.
- 14.a) Write a short note on string functions in PHP.  
(or)  
b). Write the PHP Script to create a multidimensional array and search a particular element in an array.
15. a) Explain about different storage engines in MySQL.  
(or)  
b). Write the PHP Script to perform search operation using where clause in MySQL table and display the result.

**PART- C**

**Answer any Two:**

**2x 20 =40 marks**

16. a). Explain in detail about features of Linux operating system.
- b). Explain in detail about user and group administration in Linux.
17. a). Explain in detail about Ghost script and usages.
- b).Discuss about control statements in php with suitable example.
18. a).Write the PHP script to design the scholarship details of the student in a form and Store the details in the table called scholarship.
- b). Write a PHP script to retrieve data from the table and display it in table format.

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