R10

IV B.Tech I Semester Supplementary Examinations, March/April - 2016
OPEN SOURCE SOFTWARE
(Open Elective)

Time: 3 hours **Max. Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks
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1. a) Write a note on open source software development model.
   b) What is the open source software licensing policy? List its applications.

2. a) What is meant by monolithic kernel? Why is Linux called a monolithic kernel?
   b) Write a note on process scheduling in Linux.

3. a) Justify why MySQL is an ideal choice for the cloud.
   b) Write a note on syntax of data manipulations statements in MySQL with examples.

4. a) Write a note on control flow statements in Python using examples.
   b) How Python can be viewed as an Interpreter?

5. a) Explain process scheduling in Linux. Discuss how secure it is.
   b) What is cloning? Why Open Source Software linke Linux allows cloning? What is the development model of Linux?

6. a) Explain PHP and SQL connectivity with examples. Explain the interface between LDAP and PHP?
   b) Discuss how sending and receiving mails are implemented in Open Source.

7. a) Explain Perl control structures with examples.
   b) What is power of Perl in regular expressions? Write a simple Perl program to handle a spread sheet of 12 columns and 100 rows and simply print all items of 5th column. Assume that the spread sheet is saved as a CSV file.

8. Explain the following
   a) Error handling capability of Perl (or) Python
   b) Perl modules and packages