

Code No: **R41057**

R10

Set No. 1

IV B.Tech I Semester Supplementary Examinations, February - 2019

OPEN SOURCE SOFTWARE

(Common to Electronics and Communication Engineering, Computer Science and Engineering and Information Technology)

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

Answer any FIVE Questions
All Questions carry equal marks

- 1 a) What is open source software? Discuss its need. List out the applications of and their advantages. [7]
b) List out various open source softwares in the following domains: Communications, Database, Education, Games/Entertainment, Office/Business, Printing. [8]
- 2 a) Discuss the following:
(i) Two phases in the evolution of Linux
(ii) Advantages and disadvantages of Linux
(iii) Scheduling policies in Linux
(iv) Clone process and mention the system call for cloning. [8]
b) Define Signal. What are the ways in which signal can be generated? What are the lists of signal available? What is the system call available to send a signal? [7]
- 3 a) Define Meta data? What is MySQL? Discuss how meta data is handling in MySQL? [7]
b) Explain the following:
(i) Sorting Query Results in MYSQL (ii) Record selection Technology
(iii) MySQL Group By Clause (iv) IN and BETWEEN Clause [8]
- 4 a) Explain about file handling and data storage. [7]
b) Write a sample PHP program for Substrings handling and Miscellaneous String Function handling. [8]
- 5 a) Define PHP? And explain How Security and Templates can be implemented using PHP? [7]
b) What do you meant by exception handling? How it is different from debugging? Explain in detail Debugging and error handling. [8]
- 6 a) Define lists and dictionary? How they are different from each other? Discuss in detail about them in Python Programming. [6]
b) Write the python code for the following:
(i) to count upper and lower case letters (ii) to sort out words in ascending order
(iii) to Reverse a Given Number. [9]
- 7 a) Explain Files –Input/output in python. [7]
b) Discuss in detail about Functions and Modules. [8]
- 8 a) Discuss the various Perl parsing rules with example. [7]
b) Give some of the elements and components within PERL? Illustrate it. [8]