

Code No: **R41057****R10****Set No. 1****IV B.Tech I Semester Supplementary Examinations, February/March - 2018****OPEN SOURCE SOFTWARE****(Open Elective)****Time: 3 hours****Max. Marks: 75****Answer any FIVE Questions
All Questions carry equal marks***********

- 1 a) What is Bash? Explain the different Linux commands for finding files with examples. [8]
b) Write notes on piping and redirection in Linux. [7]
- 2 a) How is context switch implemented in Linux? What are the different process states? [8]
b) What data structures are used by a scheduler in Linux? [7]
- 3 a) How is data inserted from the command prompt? Explain with example. [8]
b) How does AUTO_INCREMENT column work? Give examples. [7]
- 4 a) Design an events calendar. Use while statement. Also write the script to display the contents of events.txt to browser [8]
b) Describe about single dimension associative arrays in PHP. [7]
- 5 How are the following activities done? Explain. [15]
a) Database connection created,
b) Perform SQL query,
c) Process results,
d) Closing database connection
- 6 a) What is a tuple? Why are tuples used? [8]
b) Write a program with **for** loop that implements break and else statements. [7]
- 7 a) How is inheritance implemented in Python? [8]
b) How does a class look like in Python? What are New style classes in Python? [7]
- 8 a) What is **sysopen** function in Perl? What are the possible modes of reading or writing? [8]
b) Give examples to illustrate the renaming, deleting and copying a file in Perl. [7]