

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]