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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA II Year I Semester (R16) Regular Examinations November 2017
LINUX PROGRAMMING**

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 X 12 = 60 Marks)

UNIT-I

1 Illustrate the following File Handling Command with an example.
i).mv ii) diff iii) wc iv) more v) cmp vi) file 12M

OR

2 a Explain in detail File permissions in Linux programming 6M
b Write a Shell script to illustrate Cat command in Linux 6M

UNIT-II

3 Give example of how to change File permission and File ownership in Linux with relevant commands 12M

OR

4 Explain the following function with an example.
i).Chdir ii). Seekdir iii). Telldir iv). Umask. 12M

UNIT-III

5 a Explain Orphan process 6M
b Explain the following system calls with an example.
i).Wait () ii). Waitpid () iii). Exec () 6M

OR

6 Explain signal functions with an example.
i).Kill () ii). Raise() iii). Abort() iv). Sleep() 12M

UNIT-IV

7 Discuss various forms of IPC supported by Linux 12M

OR

8 Explain with example the Kernal support and working of Shared memory 12M

UNIT-V

9 What is socket? Explain various Socket system calls using for TCP protocol 12M

OR

10 a Explain the life cycle of a thread. 6M
b Explain light wait process 6M

*** END ***