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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech III Year II Semester Supplementary Examinations March-2021

LINUX PROGRAMMING

(Computer Science & Information Technology)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units **5 x 12 = 60** Marks)

UNIT-I

- 1 a What is user and group in Linux? Explain the related commands for changing ownership and group. 10M
- b Name the two categories of regular files. Does Linux recognize the difference between these two categories? Explain your answer. 2M

OR

- 2 a Write about the operations that can be performed on both directories and file. 10M
- b Write syntax for changing ownership and group name on a given file/s. 2M

UNIT-II

- 3 a Explain in detail foreground and background jobs. Give example. 10M
- b Explain tee command. 2M

OR

- 4 a Write a shell program for counting characters, words and line. 10M
- b Compare and contrast the **cmp** command with the **comm** Command. 2M

UNIT-III

- 5 Differentiate among grep, egrep and fgrep. 12M

OR

- 6 a How does an "eval" command works. 4M
- b Define Environmental variable? Explain about Environmental variables used in korn shell. 8M

UNIT-IV

- 7 a What is here document operator? Write a shell script using it. 6M
- b Define function. Describe How do you use functions in korn shell. 6M

OR

- 8 Write a shell script which simulate calculator. 12M

UNIT-V

- 9 a Write awk script to display only names and phone numbers from given file. 6M
- b Write awk script to count number of lines and words in a file. 6M

OR

- 10 Illustrate features of awk in detail with appropriate examples. 12M

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