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

B.Tech III Year II Semester Supplementary Examinations July-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 Distinguish between time – sharing and client/server environment 7M
b Name the two categories of regular files. Does Linux recognize the difference between these two categories? Explain your answer 5M

OR

- 2 a What are user and group in Linux? Explain the related commands for changing ownership and group. 6M
b Write about the operations that can be performed on both directories and file. 6M

UNIT-II

- 3 a Write a shell script to count number of lines present in a text file. 6M
b How quotes are used in Linux, explain with example. 6M

OR

- 4 a What is redirection? Explain it in detail. 6M
b In how many ways a command can be executed? 6M

UNIT-III

- 5 a What are the special parameters and variables used in kornshell? 6M
b Define Environmental variable? Explain about Environmental variables used in korn shell. 6M

OR

- 6 a How do you check exit status of a command? 4M
b How do you use a variable in korn shell? Describe different types of variables used in korn shell. 8M

UNIT-IV

- 7 Narrate how variable evaluation and substitution is done in korn shell with examples. 12M

OR

- 8 a What is here document operator? Write a shell script using it. 6M
b How you use functions in korn shell? Explain. 6M

UNIT-V

- 9 a Write awk script to display only names and phone numbers from given file. 6M
b Explain how talk and write commands work. 6M

OR

- 10 a How does “telnet” command work? Explain it with example. 6M
b Describe in detail about domain levels used with “mail” utility. 6M

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