Max. Marks: 75

Code No: 127EE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech IV Year I Semester Examinations, November/December - 2018

LINUX PROGRAMMING

(Computer Science and Engineering)

Time: 3 Hours

Note: This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B

consists of 5 Units. Answer any one full question from each unit. Each question

Par cor car	asists of 5 Units. Answer any one full question from each unit. Each questions of 5 Units and may have a, b, c as sub questions.
b) M c) D d) D e) N f) [hat are the responsibilities of a kernel? In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functionality of the following commands: grep, uniq, sort. In the functional graph of the functions. In the function of the functions. In the function of the function of the f
2.a) b)	PART-B (50 Marks) Write an awk script to find the smallest integer of 10 integers. Explain various process utilities in LINUX with clear syntax, few options and example. [5+5]
3.a) b)	OR With an example script explain the differences between 'for' and 'foreach' statements. [5+5]
4.	Explain how debugging can be done in a site script. Explain how debugging can be done in a site script. Discuss the need and importance of fentl() system call with its relative merits and [10] drawbacks. OR
5.	Write the syntax of the following system calls and explain with an example code. [5+5] a) rewinddir()b) seekdir()
6.a)	What is a zombie process and explain how it may manifest itself? What is a zombie process and explain how it may manifest itself? Mention the similarities and dissimilarities in between a child process and its parent [5+5] process. OR
	Explain various exit statuses with an example program. Explain various exit statuses with an example program.

Explain various exit statuses with an example program. 7.a)

What are the signals that are not ignored or blocked? Explain the reason behind it. [5+5] b)