This question paper contains 4 printed pages]					
Roll No.					
S. No. of Question Paper: 5004					
Unique Paper Code : 234163 D	·				
Name of the Paper : Computer Science [Linux System Administration] (CSCT-301)					
Name of the Course : B.Sc. Mathematical Science (Concurrent)					
Semester : I	-				
Duration: 3 Hours Maximum	Marks: 75				
(Write your Roll No. on the top immediately on receipt of this question paper.)					
Question No. 1 is compulsory.					
Attempt any five questions from Q. 2 to Q. 8.					
1. Answer the following questions:					
(a) Which user is called superuser in Linux?	. 1				
(b) What is a rescue disk?	1				
(c) What is the meaning of rwx r-x-r in octal method?	2				
(d) Which Linux command is used to avoid mail disturbance?	2				
(e) What is the meaning of pwd Linux command?	2				

2.

3.

(a)

(b) List the requisite utility required along with the steps to install the tarball packages on Linux machines.

4

Suggest four guidelines for creating a secured password.

4.	(a)	Explain various file access permissions in Linux. Give any two examples to change the
		file permission.
	(b)	Explain how to view the processes that are currently running on your Linux system
		Write a command to stop these processes.
5.	(a)	Write a shell code to calculate factorial of a number provided on the command line as
		argument.
	(b)	Write a shell code to find out the smallest number of three numbers entered at the
		command line.
6.	(a)	Give the output of the following commands and explain the same:
		(i) ac john
		(ii) quotacheck
		(iii) finger john
		(iv) last john
٠		(v) uptime.
•	(b)	Explain the purpose of the following commands in Linux.
		(i) ps
		(ii) kill
		· · · · · · · · · · · · · · · · · · ·

		(4)	5004
7.	(a)	Explain various file systems supported by Linux.	5
	. (b)	Explain various modes of shutting down the Linux system.	5
8.	(a)	Write short notes on the following:	9
		(i) DNS	·
		(ii) DHCP	
		(iii) FTP	

What is the use of make command in Linux ?

(*b*)