Total No. of Printed Pages:2

[Time: Three Hours]

SUBJECT CODE NO:- H-398 FACULTY OF SCIENCE AND TECHNOLOGY S.E. (CSE/IT) Linux Operating System

Linux Operating System (REVISED)

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	Please check whether you have got the right question paper.	30 T
N.B	1. Q.No.1 from section A and Q.No.6 from section B are compulsory.	77.80
	2. Solve any two remaining questions from each section.	
	Section A	
Q.1	Answer any five from following.	10
	a) Enlist any four Linux distributions.	
	b) Differentiate between GUI & CLI.	
	c) Explain use of 'cp' and 'mv' command with example.	
	d) Explain use of 'find' and 'locate' command with example.	
	e) Explain how would you add new user and password for it.	
	f) Explain use of 'nice' command with example in process management	
	g) Explain use of 'tee' command with an example.	
Q.2	a) Explain features of Linux in detail.	07
	b) Explain seven attributes of file in Linux O.S.	08
Q.3	a) Describe command structure. Explain how to get help about a command in Linux O.S.	07
	b) Explain command mode and Insert mode of 'vi-editor'.	08
Q.4	a) Explain 'ps' command with all its options.	07
	b) What is process? Explain how to set priorities on process in Linux.	08
Q.5	Write short notes: (any three)	15
	a) History of Linux	
	b) Regular Expressions with 'grep' command	
989	c) Compare Linux and other O.S.	
1,19,16	d) 'chmod' command	
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	Section B	
Q.6	Answer any five from following.	10
	a) Explain 'ping' command with suitable example.	20111186
	b) Describe static IP address.	5,000,01,13
	c) Explain use of httpd and ftp network services.	7, 6, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,
	d) Explain use of 'echo' and 'read' command.	BOLT (2, 2) 0)
	e) Explain use of 'expr' command in shell script.	13022
	f) Explain use of 'free' and 'du' command.	0,0,7,8,0,7
	g) Explain the need of data backup.	
Q.7	a) Explain working of SAMBA Server in detail.	07
	b) Explain working of Web Server in detail.	08
Q.8	a) Write a shell script to demonstrate use of FOR LOOP.	07
	b) Explain If-Else and Nested If-Else statements in shell script with example.	08
Q.9	a) Explain use of 'tar' and 'cpio' commands with example.	07
	b) Explain purpose of 'log' file and describe content in it.	08
Q.10	Write short notes: (any three)	15
	a) Linux firewall	
	b) Various backup media	
	c) Case statement in shell script	
	d) FTP Server	