C.U.SHAH UNIVERSITY Summer Examination-2022

Subject Name : Linux Programming										
Subject	Code :4	CS06BLN1	Branch: B.C.A.	Branch: B.C.A.						
Semester: 6		Date: 04/05/2022	Time: 02:30 To	05:30 Marks: 70						
 Instructions: (1) Use of Programmable calculator & any other electronic instrument is prohibited. (2) Instructions written on main answer book are strictly to be obeyed. (3) Draw neat diagrams and figures (if necessary) at right places. (4) Assume suitable data if needed. 										
Q1 A		following MCQs.		14						
1)	/	hich command is used to r								
	a)	delete	b) rm							
	c)	dm	d) del							
2) W	hat is the core of Linux op	erating system?							
	a)	Command	b) K	lernel						
	c)	Terminal	d) A	ll of the above						
3) Id	entify OS, which is not bas	sed on Linux.							
- ,	a)	-		entOS						
	c)		,	sdOS						
4) W									
-,	a)	hich command is used to c Cp	b) cat							
	c)	-	d) vi							
5) W	Which command is used to display characteristics of a process?								
	a)	pid	b) p	-						
	c)	pau	d) p							
6) Li	nux was developed by								
0	a)	Linus Torvalds		ennis Ritchie						
	(a) c)	Ken Thompson	,	inus Thruval						
	0)	ixen mompson	u) L	mus imuvu						
7) Hi	idden files can be view usin	ng							
,	a)	ls -a	-	-h						
	c)		,	-k						

Which of the following directories contains configuration files in Linux?. 8) /dev/

a)

b) /etc/



		c)	/bin/	d)	/root/			
	9) Which command changes a file's group owner?							
		a)	chgrp	b)	Chown			
		c)	change	d)	cgroup			
	10) is a default linux directory contains many of the linux command							
		a)	/bin	b)	/doc			
		c)	/lib	d)	/etc			
	11) Which command is used to display name of your operating system?							
		a)	uname	b)	los			
		c)	kernel	d)	dos			
	12)	12) Which shell is the default shell used in Linux OS?						
		a)	csh	b)	bash			
		c)	rsh	d)	tsh.			
	13)	Which	i is used to provide a total count of all	lines ir	n a file?			
	,	a)	ls	b)	ln			
		c)	tc	d)	wc			
	14)	Which	n command is used to create a director	v?				
		a)	create	b)	dir			
		c)	mkdir	d)	None of these			
		,		,				
Attem	<u>ipt any</u>	FOUR	from following.					
Q2	Attem	pt all q	luestions			14		
	a) De	efine OS	S Explain in detail features of Linux			7		
	a) Define OS. Explain in detail features of Linux.b) Define Shell. Explain types of Shell.					, 7		
0.1	• • •	4 11	<i></i>			14		
Q3	Attempt all questions							
	a) Define kernel. Explain architecture of Linux.							
	b) W	rite a no	ote on: Ext2 and Ext3 file systems.			7		
Q4	Attem	pt all q	uestions			14		
	\ -	C"				7		
	a) Define root. Explain power of root user. Explain process to create a user.b) Define file permission. Explain chown and chmod command with examples.7							
o -								
Q5	Attempt all questions 14							
	a) Define network utilities. Explain hostname, ping, and netstat commands.							
	b) Explain cat, sort and we commands with suitable examples. 7					7		



Q.-6 Attempt all questions

	a) What is SED? How does SED Work? Explain any two SED commands.b) Define System call. Explain file management system calls.	7 7	
Q7	Attempt all questions	14	
	a) Write a note on: System call on process management.b) Define vi editor. Explain different modes in vi editor.	7 7	
Q8	Attempt all questions		
	a) Write a shell script to find factorial of a given number.b) Write a shell script to check entered character is vowel or not.	7 7	

