(i)	Pr	inted Pages : 3	Pages: 3 Roll No						
(ii)	Qı	estions : 9	Sub.	Code:	2	6	0	3	3
Ì			Exam.	Code:	[0	4	5	9
		M.Sc. Inform	(2124)					
Op	t(i) I	INUX ADMIN	IISTRATIO Paper : M		PRO)GR	AM	IMII	NG
Tin	ne Al	lowed : Three	Hours]	[M	axim	um I	Mar	ks :	80
Not	te :—	-Attempt five que each Section.	Q. No. 9 in	Section	200	_			om
į.		493 -A1.	SECTION			fun!			٠,
1.	(a)	Discuss main f							4
	(b)	What are minir	•	requirer	nents	for i	nsta	lling	
		Linux operatin						1	6
	(c)	How grep com or more files?		ed to sear	ch for	r a pa	atter	n in	one 3
	(d)	What is purpo	se of LILO	in Linux	?				3
2.	Exp	lain the followir	ng in the con	ntext of I	inux	: "			
	(a)	Environment va	riables.						4
	(b)	Install and con	figure LILC).					6
	(c)	Kill command.						L	3
	(d)	Searching and	replacing to	ext in vi	editor				3
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SECTION—B

3.	Exp	plain the following commands with complete syntax.	Als
	exp	lain various options available with each:	
	(a)	1	
	(b)	cat	
	(c)	alias	
	(d)	history 4+4+	4+4
4.	(a)	What are the different directory permissions in Lin	ux ?
		How will you change the directory permission Linux?	s in
	(b)	Write a short note on different bash variables.	4
	(c)	What is the difference between moving a file and copy	ying
		a file? Give examples of moving files with wilde	card
-		characters.	4
5. TEN	(d)	What is the purpose of UMASK setting?	4
-		SECTION—C	
5.	(a)	Write a shell script to demonstrate the working of c	ase
		statement.	6
	(b)	What is a function? Explain with the help of a sh	nell
è		script.	5
	(c)	Explain loop control with the help of a shell script.	5

6.	As a	As a Linux System Administrator, how do you perform the				
	follo	owing ?				
	(a)	Checking and Repairing file systems.	4			
	(b)	Setting a DNS.	4			
	(c)	Compressing of files.	4			
	(d)	Unmount a file system.	4			
		SECTION—D				
7.	(a)	(a) Write a Perl program to demonstrate adding and dele elements in an array.				
	(b)	What is a function? How arguments are passed function?	to a			
	(c)	Discuss various relational operators available in perl.	4			
8.	Wh	What is a system call? Explain the working of following system				
	call	s:				
	(a)	fork ()				
	(b)	getppid ()				
	(c)	dup ()				
	(d)	signal ()	16			
		SECTION—E				
		(Compulsory Question)				
9.	(a)	Which command is used to setup a Linux client?	2			
	(b)	What is DNS?	3			
	(c)	What are positional parameters in Linux?	3			
	(d)	What is the function of ping command?	3			
	(e)	What is the use of test command?	3			
	(f)	What is a background process in Linux?	2			
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