_(i)	P	rinted Pages: 4 Roll No	
(ii)	Q	uestions :9 Sub. Code Exam. Code	
LI	NUX	M.Sc. Information Technology 1st S (1129) SYSTEMADMINISTRATION AND I Paper: MS-66	omer offi
Tir	ne Al	llowed : Three Hours] [Max	imum Marks : 80
No	te :—	- Attempt FIVE questions in all, include which is compulsory and selecting one Sections A to D.	
		SECTION—A	
1.	(a)	Discuss various distributions of Linux	Operating System. 8
	(b)	How will you install Linux Operatinetwork?	ng System from a
	(c)	What are various commands in vi characters and lines from an open f	
2.	Exp	plain the following in the context of	Linux :
	(a)	Input and output redirection	4
	(b)	Foreground and background process	ses 4
	(c)	Grep command	4
	(d)	Top command and various fields shown	n by this command.
			4
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## SECTION—B

3.	(a)	Discuss various important directories in the Linux file
		system. 4
	(b)	Differentiate between absolute path names and relative
		file names. 4
	(c)	What is an inode? What information is stored in it?
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	(d)	What is command history?
4.	(a)	
		(i) EUID
		(ii) REPLY
		(iii) UID military regions distributions of the distribution (iii)
		(iv) HOSTTYPE. 4
	(b)	What octal values are used by umask and what is their
		meaning?
	(c)	How directory permissions are changed in Linux
		Operating System ?
	(d)	What will be the output of command rm-f test. 4

## SECTION—C

5.	(a)	of a program.	5
	(b)	Write a shell script to reverse a string.	6
	(c)	What is the syntax of case statement ?	5
6.		a Linux System Administrator, how do you perfolowing?	rm the
	(a)	Starting and stopping the system	5
	(b)	Mounting and Un-mounting a file system	6
	(c)		5
		SECTION—D	
7.	(a)	Discuss various logical operators available in Perthe help of program.	rl with
	(b)	What is dynamic array? Explain with the help program.	p of a
8.		at is a system call? Explain the working of following tem calls:	owing
	(a)	chmod()	
	(b)	chown()	
	(c)	getppid( )	
	(d)	dup(). 4+4	+4+4

## (Compulsory Question)

9.	(a)	How will you create secure password in Linux ?	2
	(b)	What is a root directory?	2
	(c)	What is an IP address ?	2
	(d)		?
			2
	(e)	How will you perform backup and recovery of the files?	ne 2
		mes ?	2
	(f)		2
	(g)	How a child process can kill its parent?	2
	(h)	What will be the output of the following command	?
		pg-n file 1	2