Roll No				
		MCA (8-9)/I		10411
	LINU	X AND SHELL PF Paper-MCA		
Time Allowed	: 3 Hours]	•	[Ma	ximum Marks: 80
Note : Attempt Compul	_	all, selecting at least	one question from each	Unit. Q. No. 1 is
r		Compulsory Q	uestion	
1. (a) Discuss t	the architecture of	Linux Operating sys		
	rt filter of Linux.	1 0 3		
· / •	oting process of Li	nux.		
· ·	te on different mod			
` '	purpose of f disk.			
	use of shell meta-	characters"		
· · ·	e purpose of gdb.			
-	Dynamic loader? Ex	xnlain		8*3=24
(ii) What is a L	ynamie foader. E.	UNIT-I		0 3-21
2 (a) Discuss t	the various feature	s of Linux/Unix Ope		5
	tiate between grep,	-	crating bystem.	5
	<b>U</b> 1	ommands in Linux.		4
(c) Explain	ine spire and data e	ommands in Linux.		7
3 Evplain the	following in Linux	•		
(a) chmod,	(b) find,	(c) mkdir,	(d) charn	
(e) dd,	(f) head,	* *	(d) chgrp,	14
(e) du,	(1) Head,	(g) expand		14
		UNIT-II	[	
	-	he components of fi mounted and unmo	le system along with var ounted in Linux?	ious types of file 14
	Process created? Dithe following:	scuss the role of for	k-exec mechanism in Pro	ocess creation. 7
(i) at,	(ii) batch,	(iii) cron,	(iv) time.	7
		UNIT-II	I	
6. (a) How a de	oes the behavior of	the passwd comma	and change when invoked	•
(1-) II		1	!!	7
(b) How suj Admini	_	be acquired? Also of	liscuss various privileges	given to 7
7. (a) What is a	a Shell script? Exp	lain the two types of	f Shell variables.	7
file nam	nes. If the pattern is		ke the pattern as Well as a tern found", else 'display tered.	

## UNIT—IV

8. What is the purpose of make file utility in Linux? How this utility can be used to make	ınage large
'C' projects? Explain with the help of suitable examples.	14
O Differentiate hetryeen	

## 9. Differentiate between:

(a) Static and Dynamic Memory Management	7
(b) Static and Dynamic Library.	7