DHARMSINH DESAI UNIVERSITY, NADIAD FACULTY OF TECHNOLOGY B.TECH, SEMESTER I [IT/CE/MECH] SUBJECT: (CT-115) LINUX OPERATING SYSTEM AND PROGRAMMING

: Block Exam Seat No.

: 29/11/2013 : 11:30: to 12:45 Day Max. Marks Date : Friday Time : 36

	RUCTIO	NS:	
1.	Figures to the right indicate maximum marks for that question.		
2.	The symbols used carry their usual meanings.		
3.		suitable data, if required & mention them clearly.	
4.		at sketches wherever necessary.	F1.01
Q.1		er the Following:	[12]
	(A)	Give the figure of a sample directory structure in Linux.	[2]
	(B)	Explain Inode & Inode Number.	[2]
	(C)	Explain the meaning of the instruction: 4c4,5 with respect to diff command.	[2]
	(D)	What is the difference between an argument and an option?	[1]
	(E)	Give Examples of the following BRE Expression:	[2]
		(1) "**.*"	
		(2) "^*"	
	(F)	If I change the permissions of a file, which file time would be affected?	[1]
		(a) Last Modification Time (b) Last Access Time (c) Both (d) None	
	(G)	Is it possible to create a hard link of a directory? Explain with proper reason.	[2]
Q.2	Answer the following.		[12]
	(A)	Explain file permission with respect to a directory and a File.	[4]
	(B)	(1) Explain uniq command with example.	[4]
	` ′	(2) What is the difference between while and until loop?	
	(C)	Write a shell script to design the following pattern:	[4]
	,	A	
		ВВ	
		B B C C C	
		CCC	
		C C C D D D D E E E E E	
Q.3		C C C D D D D E E E E E er the following:	[12]
Q.3	Answ (A)	C C C D D D D E E E E E er the following: Explain "grep." Command with all its options and proper examples.	[12] [4]
Q.3		C C C D D D D E E E E E er the following: Explain "grep." Command with all its options and proper examples. Explain TRE in detail with example.	= =
Q.3	(A)	C C C D D D D E E E E E Er the following: Explain "grep." Command with all its options and proper examples. Explain TRE in detail with example. Write a shell script to find the following:	[4]
Q.3	(A) (B)	C C C D D D D E E E E E er the following: Explain "grep." Command with all its options and proper examples. Explain TRE in detail with example.	[4] [4]