(08 Marks)

(08 Marks)

(07 Marks)



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Fourth Semester B.E. Degree Examination, Dec.2017/Jan.2018 UNIX and Shell Programming

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions, selecting at least TWO questions from each part,

PART - A

With a neat diagram, explain the architecture of UNIX operating system.

b. List and explain different features of UNIX operating system.

	c.	Explain briefly absolute pathname and relative pathname.	(04 Marks)
2	a.	Assuming that a file current permissions are rw_r_xr, specify the chmod required to change them to i) rwxrwxrwx ii) r r iii) r r iv)	expression
			(08 Marks)
	1_	using both relative and absolute assigning permissions.	(06 Marks)
	b.	Explain briefly the file attributes listed using & - & command.	(06 Marks)
	C.	With a neat diagram, explain different modes of Vi editor.	(00 Marks)
3	a.	Explain the mechanism of process creation in UNIX and also explain the process creation.	ess of shell (08 Marks)
	b.	Explain the three standard files with respect to UNIX operating system.	(06 Marks)
	c.	Explain Job control with suitable example.	(06 Marks)
4	a.	Differentiate between Hard link and Symbolic link.	(04 Marks)
-	b.	Discuss find command with all its options.	(10 Marks)
	c.	Explain in detail the following command with options and example:(i) tr, (ii) cut	. (06 Marks)
	٠.	((1)	
		PART - B	
5	a.	Explain grep command with any four option with suitable example.	(06 Marks)
	b.	What is sed command? With example explain the difference between line add	ressing and
		context addressing in sed.	(08 Marks)
	C.	Explain with example BRE and ERE.	(06 Marks)
		Live de la	(06 Marks)
6	a.	List and explain any six special parameters used by shell. What is shell programming? Write a shell script to test and display the file attrib	
	b.	what is shell programming? Write a shell script to test and display the lab attack	(08 Marks)
		is accepted as command line argument. Explain looping construct (for and while) in shell with example.	(06 Marks)
	C.	Explain looping construct (for and while) in shell with example.	(001:1111)
7	a.	List and explain built-in variables used in awk.	(06 Marks)
,	b.	Write an awk sequence to find DA, HRA and gross pay of an employee, where	DA if 55%
	0.	of basic, HRA is 25% of basic and gross pay is sum of basic, DA and HRA. A	dso find the
		average gross pay.	(08 Marks)
	C.	Explain the looping construct for in awk with example.	(06 Marks)
			Sas
8	a.		(06 Marks)
		i) length ii) index iii) substr	(06 Marks)
	b.	Write a perl program that accepts decimal number as argument and convert it to	(07 Marks)
		It's assuments write a parl sorint to check whether a given	
	C.	Using command line arguments, write a perl script to check whether a given	jour 15 loup

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

year or not.