USN

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

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T	ım	e:	3	hrs.

Max. Marks:100

Note: Answer any FIVE full questions, selecting							
at least TWO questions from each part							
		PART - A					
1	a.	With a field diagram, explain the distributions	3 Marks)				
	b.	List and explain different reactives of extra specific	8 Marks)				
	c.	Explain briefly absolute pathname and relative pathname. (04)	Marks)				
_		Assuming that a file current permissions are rw r xr , specify the chmod exp	ression				
2	a.	11994 IIII	or c bbion				
		required to change them to					
		1) I WALL WALL 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 Marks)				
	1	using both relative and absolute assigning permissions.	6 Marks)				
	b.	Explain of lefty the the attributes have	6 Marks)				
	c.	With a neat diagram, explain different modes of Vi editor. (00	o Waiks)				
3	0	Explain the mechanism of process creation in UNIX and also explain the process	of shell				
3	a.	creation.	8 Marks)				
	b.		6 Marks)				
	c.	Explain Job control with suitable example: (00	6 Marks)				
	٥.						
4	a.	Differentiate between that mink the plane is	4 Marks)				
	b.		0 Marks)				
	c.	Explain in detail the following command with options and example:(i) tr, (ii) cut. (0)	6 Marks)				
		$\frac{PART - B}{A}$	(N				
5	a.		6 Marks)				
	b.	What is sed command? With example explain the difference between line address	8 Marks)				
		context addressing in sed.	6 Marks)				
	C.	Explain with example BRE and ERE.	o warks)				
6	0	List and explain any six special parameters used by shell.	6 Marks)				
U	a. b.	to a very the file of tribute	es which				
	υ.	is accepted as command line argument.	8 Marks)				
	c.	The state of the s	6 Marks)				
	0.						
7	a.		6 Marks)				
	b.	Write an awk sequence to find DA, HRA and gross pay of an employee, where DA	A II DO%				
		of basic, HRA is 25% of basic and gross pay is sum of basic, DA and HRA. Also	Allia the				
		average gross pay.	8 Marks)				
	c.	Explain the looping construct for in awk with example.	6 Marks)				
8	a.	Explain the following string handling function in perl with example:	1801 19				
O	a.	i) length ii) index iii) substr (0	6 Marks)				
		if it is a second and any or it to him	1417				

Write a perl program that accepts decimal number as argument and convert it to binary.

c. Using command line arguments, write a perl script to check whether a given year is leap (07 Marks) year or not.