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Roll No.:

322555(22)

B. E. (Fifth Semester) Examination, April-May 2021

(New Scheme)

(CSE Branch)

UNIX & SHELL PROGRAMMING

Time Allowed: Three hours

Maximum Marks: 80

Minimum Pass Marks: 28

Note: Part (a) is compulsory of 2 marks. Attmept any two from parts from (b), (c) and (d) is of 7 marks.

Unit-I

- 1. (a) Define super block.
 - (b) Give the syntax and details of following UNIX system. 7
 - (i) cp

		[2]					
		(ii) who				(d)	Explain command su
		(iii) cat					Strike dring who a dea U
		(iv) sort			2	(-)	Waite and Complexity
		(v) we assume the second representation of th			3.		Write any four built
		(vi) head				(b)	Why we use grep co
		(vii)ls					explain with the help
	(c)	What is Vi-editor? Explain various modes of Vi-				(c)	Write an awk script
		editor with examples,	7	*			lines in a file.
	(d)	Differentiate between the following:	7			(d)	Explain fed command
		(i) cmp and diff					Ţ
		(ii) head and tail			4.	(a)	Define eval command
		Unit-II				(b)	Explain various Korr
2.	(a)	Define Shell.	2			(c)	Write a shell script to
	(b)	Write a shell script to list all of the directory files in				(-)	or not.
		a directory.	7			(d)	Write a shell script t
	(c)	Write short notes on : $430/4$ reques $2\times3\frac{1}{2}$	=7			(4)	number.
		(i) Alias					Ţ
		(ii) Filter commands			_	(~)	
					5.	(a)	Define Inode.

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substitition. Unit-III millionglis on afrill [8] t in variables of awk. command? Write the syntax and lp of three examples. 7 to count the no. of words and 7 nd with syntax and examples. 7 **Unit-IV** nd. 2 rn shell features. 7 to direct whether a file is existing 7 to revense the digit of a given 7 **Unit-V** 2 5. (a) Define Inode.

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[3]

(b) Explain various C shell features.	7
(c) Write an algorithm for conversion of a path name an inode.	-
(d) Write short notes on: (any two) 2> (i) Argument validation (ii) Special parameters	<3½=7
(ii) Special parameters	
Explain (S.L. samman), with restaux and complex. **Train!!** **Train!!**	
Define swal commend Explain surjous Kern shell features.	
Write a shell or not be resease the digit of a given monthly	