322555(22)

B. E. (Fifth Semester) Examination, April-May/ Nov.-Dec. 2020

(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) Write a brief note on the features of Unix operating system.
 - (b) Explain the architecture of Unix operating system.

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(c)	Exp	plain the following Unix commands	7
	(i)	ср	
	(ii)		
	(iii)	mv .nahanlmur l judanund dind. 1 fi	
	(iv)	cat Walls and my	
	(v)	script ramsitats war i	
	(vi)	tee	
	(vii)	cmp	
(d)	Wr	ite short notes on : (any two)	7
	(i)	Vi-editor & its modes	
	(ii)	Security levels in Unix	
	(iii)	Changing permission (chmod)	
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		Unit-II	
(a)	Wh	at is Shell? List the names of standard shells	
	use	d in Unix today.	2
(b)	Wri	ite notes on : (any two)	7
	(i)	Redirection	
	(ii)	Predefined variables	
	(iii)	Sorting the most beautiful and an end makes for the	

	(c) What do you mean by the term metacharacter? Explain in detail the use of "Quotes" in Unix.	7
	(d) What is Filter? Explain in detail the commands used for displaying the beginning and end of a file. Also describe the command used to count the characters, words, or lines in a document.	7
	Unit-III	
3.	(a) List the names of three utilities in the grep family.	2
	 (b) Describe the grep command in detail. Also explain its operations with examples. (c) What is Sed? Explain the commands used in sed. 	7
	(d) What is the format of the awk command? How many types of patterns are defined for awk?	7
	Unit-IV washim himle should be	
4.	(a) Name two special files of UNIX that can be used by any shell.	2
	(b) Explain various Korn shell features.	7

(iv) Translating characters

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	(c) How Korn shell implements multiway selection? Write	
	a Korn shell script to print the spelling of a digit	
	between 0-9 using case statement.	7
	(d) Write short notes on: (any two)	7
	(i) Command Execution Process	
	(ii) Eval Command	
	(iii) Repetition in Korn Shell	
	THE MEMBERS OF A POINT WASHINGTON OF THE PARTY OF THE PAR	
5.	(a) Define Inodes.	2
	(b) Write an algorithm for conversion of a path name to	
	an Inode. Summoo sitt midgell (bed in InfW (c)	7
	(c) Explain various decision making statements used in	
	C-shell with suitable example.	7
	(d) Write short notes on: (any two)	7
	(i) Environmental variables in C-shell	
	(ii) For each loop in C-shell (with example)	
	(iii) System call-lseek	