

**Vivekananda College of Engineering & Technology, Puttur**  
 [A Unit of Vivekananda Vidyavardhaka Sangha Puttur.®]  
 Affiliated to VTU, Belagavi & Approved by AICTE New Delhi

CRM08

Rev 1.10

CSE

15/11/2022

**CONTINUOUS INTERNAL EVALUATION - 1**

Dept: CSE	Sem / Div:5AB	Sub: UNIX Programming	S Code:18CS56
Date:23/11/2022	Time:3:00-4:30 PM	Max Marks: 50	Elective: N

Note: Answer any 2 full questions, choosing one full question from each part.

QN	Questions	Marks	RBT	CO's
<b>PART A</b>				
1 a	Explain with a neat figure the kernel and shell relationship in UNIX operating system.	10	L2	CO1
b	Explain the following commands with suitable syntax, options and example: od, mv, cat, rm, wc	10	L2	CO1
c	With suitable example bring out the differences between absolute and relative pathnames.	5	L2	CO1
<b>OR</b>				
2 a	List and explain the salient features of Unix operating system.	10	L2	CO1
b	Illustrate with a diagram the typical Unix file system. And also explain the basic file categories in UNIX OS.	10	L2	CO1
c	With syntax and examples, explain the commands used for creating, deleting and changing the directory.	5	L2	CO1
<b>PART B</b>				
3 a	Which command is used for listing file attributes? Briefly describe the significance of each field of the output.	10	L2	CO2



b Explain grep command. List its options with its significance.	10	L2	CO2
---	----	----	-----

c Apply the shell's wildcard and write the output:	5	L3	CO2
--	---	----	-----

- [a-z][1-4]\*.txt
- \*.[!c] [!p] [!p]
- \*[0-3] [A-Z]
- chap\* [!0-9]
- chap [0-1] [0-9]

OR

4 a List and explain three standard files representing three streams.	10	L2	CO2
---	----	----	-----

b What are file permissions? Describe the different ways of changing file permissions for the following problem statement:	10	L3	CO2
--	----	----	-----

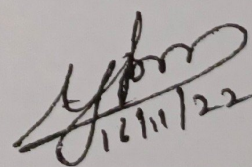
Current file permission of a regular file "unix" are  
rw- -w- --x. Illustrate both relative and absolute methods required to change permissions to the following:

- wxrwxr-x
- r-----x
- w-r-x-w-
- xrw-r—

c Write a simple shell program to display the following:	5	L3	CO2
--	---	----	-----

- A simple statement
- Today's date
- Current month's calender
- Current shell being used by the user.

Prepared by: Prof. Thapaswini P S  
16/11/22

  
HOD