

**CONTINUOUS INTERNAL EVALUATION- 1**

Dept: CSE	Sem / Div: 5 / A & B	Sub: UNIX PROGRAMMING	S Code: 18CS56
Date: 21/10/2020	Time: 2:30-4:00 pm	Max Marks: 50	Elective: N
Note: Answer any 2 full questions, choosing one full question from each part.			

Q N	Questions	Marks	RBT	COs
<b>PART A</b>				
1 a	Explain UNIX architecture with a neat diagram.	10	L2	CO1
b	Explain the following commands with an example: i) rmdir ii) wc iii) pwd iv) cat v) cp	10	L3	CO1
c	What is pathname? List and explain types of path-names with an examples.	5	L2	CO1
<b>OR</b>				
2 a	Illustrate with a neat diagram typical UNIX file system and explain different types of files supported in UNIX.	10	L2	CO1
b	Explain the following commands with the syntax and example: i) printf ii) date iii) passwd iv) ls v) cal	5	L2	CO1
c	Explain the salient features of UNIX operating system.	10	L2	CO1
<b>PART B</b>				
3 a	Explain what these wild-card pattern match: D) [A-Z]????* ii) *[!0-9]* iii) *.[!s][!h]	6	L3	CO2
b	Explain the three sources of standard input and standard output.	9	L2	CO2
c	With suitable examples, explain the grep command and its various options.	10	L2	CO2
<b>OR</b>				
4 a	Which command is used for listing file attributes? Explain the significance of each field in the output.	10	L2	CO2
b	Briefly explain the extended regular expression with an example.	5	L2	CO2
c	What is shell programming? Write a shell program to create a simple calculator which can perform basic arithmetic operations like addition, subtraction, multiplication or division, depending upon the user input.	10	L3	CO2

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23/10/2020