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17CS35

Third Semester B.E. Degree Examination, Dec.2018/Jan.2019
Unix and Shell Programming

Time: 3 hrs.   Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

1	a.	By writing a neat diagram, explain the architecture of UNIX.	**(10 Marks)**
	b.	Discuss the following commands	
		i) ls ii) who iii) cat iv) echo	**(10 Marks)**

OR

2	a.	Explain the features of UNIX.	**(10 Marks)**
	b.	Explain the commands used to add, modify and delete users.	**(10 Marks)**

Module-2

3	a.	What is a file? Explain different categories of files.	**(10 Marks)**
	b.	By giving example, explain the following commands.	
		i) pwd ii) cd iii) mkdir iv) rmdir.	**(10 Marks)**

OR

4	a.	Discuss ls commands with options.	**(10 Marks)**
	b.	Explain absolute method of changing permissions by giving example.	**(10 Marks)**

Module-3

5	a.	Explain different modes of Vi editor	**(10 Marks)**
	b.	Discuss ex-mode commands of Vi editor.	**(10 Marks)**

OR

6	a.	Explain shell interpretive cycle.	**(04 Marks)**
	b.	Which are standard files used in UNIX? Explain.	**(08 Marks)**
	c.	By giving examples, explain extended regular expression.	**(08 Marks)**

Module-4

7	a.	With example, explain logical operators in shell programming.	**(05 Marks)**
	b.	Discuss for statement in shell script with example.	**(05 Marks)**
	c.	Write a shell program to do the following :	
		i) List of files ii) Processes of user iii) Today's date vi) Users of the system.	
		Using case conditional.	**(10 Marks)**

OR

8	a.	Discuss head and tail commands along with its options.	**(10 Marks)**
	b.	By specifying examples, explain hard and soft links.	**(10 Marks)**

Module-5

9	a.	Along with the options and examples, explain ps command.	**(10 Marks)**
	b.	By giving example, explain nice and nohup commands.	**(10 Marks)**

OR

10	a.	Explain string handling function of perl.	**(06 Marks)**
	b.	With example, explain split and join function of perl.	**(06 Marks)**
	c.	What is subroutine? Explain by giving example.	**(08 Marks)**

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