USN

First Semester MCA Degree Examination, Dec. 2013/Jan. 2014 Introduction to UNIX

Time: 3 hrs.

Max. Mark

		Note: Answer any FIVE full questions.	Max. Marks:100
1	á	a. Discuss the architecture of UNIX operating system with the help of a neat	
		Explain any four characteristics of UNIX operating system.	(10 Marks
	C	Explain the following commands, with examples.i) who ii) cat iii) script.	(04 Marks
		, - T	(06 Marks)
2	a	Explain the parent – child relationships between the various files in the or in UNIX. Also give the meanings of dot (·) and double dot (··)	ganization of files
	b	Explain the following commands, with suitable examples:	(12 Marks)
3	•	Ty findir.	(08 Marks)
J	a. b.	The same of the sa	(05 Marks)
	Ů.	Illustrate the usage of command line arguments with the help of an exanthe positional parameters.	nple. Also discuss
	c.	Write a shell corint which	(10 Marks)
	-,	a didi script willon accepte valia lagin man-	
		corresponding home directories. If no arguments are specified print an message.	appropriate error
			(05 Marks)
4	a.	What is \(\ell \) command? Explain in detail, the \(\ell \) - \(\ell \) option.	
	b.	Explain the chmod command, in detail.	(08 Marks)
	c.	Differentiate between hard link and soft link.	(08 Marks)
		The source of hard link and son link.	(04 Marks)
5	a.	Explain the following commands, with example:	
	b.	i) cut ii) sort iii) tr iv) uniq.	(08 Marks)
	c.	Explain line addressing using sed command.	(06 Marks)
,		Differentiate between egrep and fgrep commands.	(06 Marks)
Ó	a. L	Explain the built-in variables and built-in functions of an awk script.	(10 Marks)
	b.	The an awk script to delete duplicated lines from a tast file. The state of	the original files
	c.		(10 Marks)
	٠.	Write the usage of the following, with example: i) eval ii) expr.	(10 1141143)
	a.	What is a present of the state	
	a. b.	What is a process? Explain the mechanism of process creation in UNIX.	(06 Marks)
	٥.	Explain the following commands:	(======================================
	c.		(06 Marks)
		Explain the start up and shutdown procedure in UNIX.	(08 Marks)
	a.	Briefly discuss the privileges of system administrator.	/05 3# - 1 ·
	υ.	List any three names of Linux distribution	(05 Marks)
	U.	Explain how to insert and replace text in emacs editor	(03 Marks)
(d.	Explain the following: internal and external commands and system variables.	(04 Marks) . (08 Marks)
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