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SEAT No.

Total No. of pages: 2

## SARDAR PATEL UNIVERSITY M.C.A.(IV Semester) Examination PS04CMCA07 The Linux Operating System Thursday, 1st November, 2018

	Thursday, 1st November, 2018  Total Marks: 70	)
Time:	2:00 PM to 5:00 PM	8
1.	Select most appropriate option for each of the following questions:	
(i)	Which vi command can be used to delete 7 lines starting from the current line?	
	(A) 7d (B) 7dd (C) d7 (D) None of these.	(8)
(ii)	Which of the following is <b>not</b> a valid I/O redirection operator?  (A) 1<< (B) 1>> (C) >> (D) None of these.	
(iii)	Which system call is used to create a child process?  (A) create (B) crprocess (C) fork (D) None of these.	
(iv)	Which command can be used to display the last line of a file?  (A) cat file   tail (B) cat file   tail -n 1 (C) cat file   tail   tail -1 (D) None of these.	
(v)	Which of the following is used in a case statement in the shell scripting language to define the default case?  (A) *) (B) default) (C) default: (D) None of these.	
(vi)	The system variable that shows the sequence in which various directories will be searched to locate a command is(A) PWD (B) PATH (C) HOME (D) None of these.	
(vii)	Which file is used to store the encrypted password of a user on modern Linux systems?  (A) /etc/password  (B) /etc/shadow  (C) /etc/passwd  (D) None of these.	
(viii	<ul> <li>(A) stream editor</li> <li>(B) spring editor</li> <li>(C) string editor</li> <li>(D) None of these.</li> </ul>	2
2.	Answer the following questions in brief (ANY SEVEN):	14
(i (ii (i (	i) Explain the –l option of the ls command.	

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	(vii)	What is the use of the /etc and /dev directories in the standard UNIX file	
	137.8 (6)	1 • 1 - 0	
	(viii)	Which command is used to get information about the currently logged-in	
		users? Which command is used to get information about the currently	
	10000 20	running processes?  Which vi command can be used to yank 5 lines from the current line and	
	(ix)	paste them at a different place in the same file?	
			6
	3.(A)	Write a short note on the history of the Linux operating system.	U
			6
	<b>(B)</b>	Write a short note on the if statement taking suitable examples.	
		OR	12
	(D)	Write a short note on I/O redirection.	6
	<b>(B)</b>		6
	4.(A)	Explain the syntax of the for loop and while loop with examples.	U
	8 151		6
	<b>(B)</b>	Explain the test command with appropriate examples.	
		OR	_
	(B)	Explain the expr command in detail.	6
	(-)		
		The state of vorious file permissions.	6
	5.(A)	Write a short note on various file permissions.	
	(B)	Write a short note on grep.	6
	(D)	OR	6
	(B)	Explain the following commands:	U
	1	(i) sort (ii) cut	
	C (A)	Explain any two system calls. List any two configuration files in the /etc	6
.00	0.(A)	directory.	
			6
	(B	Write the important features of the awk command.	•
ž.		OR	
	<u> ganne</u>	the sed command	6
	(B	) Write the important leatures of the sea comment	
7 (20)			

