SARDAR PATEL UNIVERSITY
External Examination (NOV-2016)
TYBCA Semester – V
US05EBCA01: Basics of UNIX Operating System

Date: 19/11/2016 (Saturday)
Time: 02:00 PM to 04:00 PM   Maximum Marks: 70

Q.1   Choose the correct answer from the given options.   **[10]**

(1)   Root directory in UNIX is denoted by _____ ?

A.	C:	B.	$	C.	/	D.	\

(2)   The vi Editor always starts in _____ mode.

A.	Command	B.	Last Line	C.	Insert	D.	ex

(3)   How do you delete a file?

A.	rm filename	B.	cut filename	C.	touch filename	D.	less filename

(4)   The cat command is used to _____ .

A.	capture a file	B.	print a file	C.	copy a file	D.	display a file

(5)   When you execute a script called test at $ prompt as "$test hi hello"; then test will be stored in _____ positional parameter.

A.	$#	B.	$*	C.	$0	D.	$1

(6)   For taking input from the user in shell script _____ command is used.

A.	echo	B.	read	C.	Both A & B	D.	None of these

(7)   The if statement ends with _____ .

A.	end	B.	end if	C.	fi	D.	None of these

(8)   Which of the following results in error?

A.	expr 4 + 5	B.	expr 4 - 5	C.	expr 4 * 5	D.	expr 4 / 5

(9)   The full form of sed is _____ .

A.	Stream Editor	B.	Sequential Data	C.	Sequence Editor	D.	None of these

(10)   The _____ command displays the status of a process.

A.	ls	B.	ps	C.	grep	D.	cut

Q.2   Attempt any Ten questions.   **[20]**

(A)   List any four environment variables with their usage.
(B)   Discuss the cp command in short taking an example.
(C)   List all saving and quitting commands of vi editor.
(D)   Differentiate: > and >>.
(E)   Explain quoting in brief.
(F)   Explain escaping in brief.
(G)   Explain test command in brief.
(H)   Explain if command in brief.
(I)   Explain set command in brief.
(J)   List any four attributes displayed by –l option of ls command.

(K) What is the use of ^ and $ in grep command while searching for a pattern.
(L) What is the difference between text files having fixed width format and delimited format?

Q.3 (A) List and explain Strength and Weaknesses of UNIX-like Operating System. [06]
    (B) Explain the term Kernel and Shell. [04]
OR
Q.3 (A) Explain pattern searching and replacement utility of vi editor. [05]
    (B) Write a detail note on Modes of Operation in vi editor. [05]

Q.4 (A) Write a note on Input / Output redirection. [05]
    (B) What is path? Explain Absolute and Relative path with example. [05]
OR
Q.4 (A) Write a note on Command Substitution. [05]
    (B) Explain Command line arguments. [05]

Q.5 Explain for loop in details with suitable examples. [10]
OR
Q.5 (A) What is Shell script? Explain uses of Shell script and execution of shell script. [05]
    (B) Explain while loop in detail with example. [05]

Q.6 Explain with examples the method of processing data in text files for fixed-width format and delimited format in detail. [10]
OR
Q.6 (A) Explain grep command with examples. [06]
    (B) Explain with suitable example: How to process the output of who command? [04]

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