

[73 & A-46]

SARDAR PATEL UNIVERSITY
BCA - SEMESTER - V (CBCS) (REG. & NC) Examination-2018
SUB: - US05EBCA01 (Basics of UNIX Operating System)

Time: 02:00pm to 04:00pm

Date: 09/04/2018, Monday

Total Marks: 70

Q - 1 Select appropriate option for following questions:**Marks
[10]**

- Root directory in UNIX is denoted by _____
A. -- C. /
B. () D. \
- The dev directory contains files for controlling _____.
A. input/output C. Both A and B
B. OS D. None
- To get out of insert mode, press the _____ key, which will put you back into command mode..
A. Shift C. Esc
B. Ctrl D. Alt
- Which command can be used to display the contents of a file on the screen?
A. ls C. cat
B. grep D. cut
- When the shell is used from a terminal it will issue a prompt before reading a command. By default this prompt is _____.
A. > C. &
B. \$ D. #
- The cut command is used to
A. capture a file C. copy a file
B. print a file D. filter a file
- For Logical OR operator _____ option is used.
A. -a C. -o
B. -c D. -d
- Choose incorrect statement.
A. Shell scripts can accept arguments.
B. Shell scripts are compiled.
C. Shell scripts are interpreted.
D. Shell supports programming.
- Which of the following is not a filter program?
A. date C. cat
B. sort D. grep
- Full form of grep is _____.
A. Globally search with Regular Expressions and Print
B. Global Read Expression and Print
C. Goto Regular Expression and Print
D. None of above

(P.T.O.)

Q - 2 Attempt following short questions (ANY TEN) [20]

1. Define term Kernel in context of UNIX.
2. List Modes of Operation of vi Editor.
3. List all saving and quitting commands of vi editor.
4. Explain cat command in brief.
5. Explain escaping in brief.
6. Differentiate: > and >>
7. Differentiate: if and case
8. Explain for loop with example
9. Explain Test command for integer comparison.
10. Explain -v and -c option of grep command.
11. Differentiate: expr.

Q - 3 Answer the following long questions:

[A] Write a brief note on history of UNIX operating system. [05]

[B] Describe in detail: [05]

1. command line
2. Kernel
3. Processes

OR

Q-3 Answer the following long questions:

[A] List and explain Strength and Weaknesses of UNIX like Operating System . [05]

[B] Write a detail note on Modes of Operation of vi editor and also explain Context Switching between them. [05]

Q - 4 Answer the following long questions:

[A] Write note on: Input / Output redirection [05]

[B] Write note on: Command substitution. [05]

OR

Q - 4 Answer the following long questions:

What is path? Explain Absolute and Relative path with example. [10]

Q-5 Answer the following long questions:

What is Shell script? Explain uses of Shell script and execution of shell script. [10]

OR

Q-5 Answer the following long questions:

[A] Explain case statement with example. [05]

[B] Explain while loop in detail with example. [05]

Q-6 Answer the following long questions:

[A] Explain substitution facility of sed filter. [05]

[B] How to process the output of who command? Explain. [05]

OR

Q-6 Answer the following long questions:

Explain grep command in details with example [10]

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