

SARDAR PATEL UNIVERSITY

External Examination

TYBCA-Semester-V

US05EBCA01-Basic of UNIX Operating System

Date : 23-11-2013

Time : 10:30 a.m. to 12:30 p.m.

Max Marks :70

Q-1 Multi choice questions:

[10]

- 1) Unix Operating System is a _____.
- A. Time Sharing Operating System C. Multi-tasking Operating System
B. Multi-User Operating System D. All the Above
- 2) Which command is used with vi editor to move the cursor one row up?
- A. I B. j C. h D. k
- 3) vi always starts in _____ mode.
- A. command B. insert C. last line D. ex
- 4) Use of \ in removing meaning of any meta character placed after it is known as _____.
- A. Escaping B. Treating C. Editing these D. None o
- 5) How can you append the output of a command to a file?
- A. command < file C. command >> file
B. command << file D. command > file
- 6) _____ pathname uses the current directory as point of reference for the file.
- A. Absolute C. Both A and B
B. Relative D. None of these
- 7) For taking input from the user in shell script _____ command is used
- A. echo C. Both A and B
B. read D. None of these
- 8) case statement ends with _____.
- A. end B. esac C. end case D. None of these
- 9) Which of the following results in error?
- A. expr 4 + 5 B. expr 4 - 5 C. expr 4 * 5 D. expr 4 / 5
- 10) _____ command display the status of a process.
- A. ls B. ps C. grep D. cat

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Q-2 Write Short Answers.(Attempt any 10). [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 quoting in brief.
- 5) Define: internal command. Give 2 examples of internal commands.
- 6) Differentiate: > and >>
- 7) Explain -n option of sed filter.
- 8) Explain use of expr for performing arithmetic operations.
- 9) Define: filter. Give two examples of filter.
- 10) Explain while loop with example
- 11) Explain read command
- 12) Differentiate: if and case

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Q-3 A.) List and explain Strength and Weaknesses of UNIX like Operating System . [06]

B.) Explain Editing and Navigation of Text taking an appropriate example. [04]

OR

A.)Describe in detail: File system, Command line, Multiuser & multitasking. [06]

B.) Explain pattern searching and replacement utility of vi editor. [04]

Q-4 A.) Write note on: Quoting and Escaping. [05]

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

OR

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

B.) What is path? Explain Absolute and Relative path with example. [05]

Q-5 A.) Explain for loop in Linux with example [06]

B.) Explain case statement with example [04]

OR

A.) Explain if and case statement in LINUX. [06]

B.) Explain while loop in detail with example. [04]

Q-6 A.) Explain grep command with example. [06]

B.) Explain all attributes displayed by -l option of ls command. [04]

OR

A.) Write note on sed filter. [06]

B.) Explain method of processing data in text files for delimited format in detail. [04]