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[150/A35]

SEAT No.

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SARDAR PATEL UNIVERSITY

T.Y.B.C.A. (5th Semester) (CBCS) (Reg. & NC) Examination 2018

US05EBCA01 || Basic of Unix Operating System

Friday, 26th October 2018

02:00 pm to 04:00 pm

Marks: 70

Q:1 Select an appropriate answer for the following. [10]

1. PWD stands for _____.
(a). present working directory (b). past working directory
(c). present working diary (d). past working diary
2. _____ directory contains executable files for most of the UNIX commands.
(a). lib (b). bin (c). dev (d). tmp
3. How do you delete a file?
(a). less filename (b). touch filename (c). rm filename (d). cut filename
4. Which command can be used to display the contents of a file on the screen?
(a). ls (b). grep (c). cut (d). cat
5. Use of \ in removing meaning of any meta character placed after it is known as.
(a). Escaping (b). Treating (c). Editing these (d). None of these.
6. case statement ends with _____.
(a). end (b). esac (c). end case (d). None of these.
7. Which of the following are used as loops?
(a). for (b). while (c). Both A and B (d). None of these
8. For Logical OR operator _____ option is used.
(a). -a (b). -c (c). -d (d). -o
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). grep (c). cat (d). ps

Q:2 Answer the following questions. (Attempt any ten) [20]

1. Define term Kernel in context of UNIX.
2. Discuss the following commands in short taking an example. (i) mkdir (ii) cp
3. List Strength of UNIX like Operating system.
4. Explain quoting in brief.
5. What is relative path? Explain with example.
6. Explain cat command in brief.
7. Explain echo command with example.
8. Explain if statement in LINUX.
9. Explain read command with example.
10. Explain -v and -c option of grep command.
11. State any 4 attributes displayed by -l option of ls command.
12. What is the difference between text files having fixed width format and delimited format?

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[P.T.O.]

- Q:3 A** Explain concept of CUT-COPY-PASTE in vi editor. [05]
B Write a detail note on Modes of Operation of vi editor and also explain Context Switching between them. [05]

OR

- Q:3 A** Explain Editing and Navigation of Text taking an appropriate example. [05]
B Describe in detail:
(1) File system (2) Command line [05]

- Q:4 A** Write note on: Command substitution [05]
B Write note on: Input / Output redirection [05]

OR

- Q:4 A** Explain basic filters – cat and cut. [05]
B Write note on: Command line argument [05]

- Q:5 A.** Explain case statement with example. [05]
B. Explain while loop in detail with example. [05]

OR

- Q:5 A.** Explain for loop in Linux with example. [05]
B. What is Shell script? Explain uses of Shell script and execution of shell script. [05]

- Q:6** Write note on sed filter, also explain substitution facility of sed filter. [10]

OR

- Q:6** Explain grep command in detail with example. [10]

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