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SARDAR PATEL UNIVERSITY

[12]

TYBCA 5th SEMESTER (On demand) CBCS Examination July - 2022

US05EBCA01 || Basic of Unix Operating System

Date: 11/07/2022 Monday

Time: 10:00am to 12:00pm

Maximum Marks: 70

Q.1 Answer the following questions.

[10]

- 1 In UNIX resources are shared by all the users, so UNIX is _____ System.
(a) multiuser (b) featureless (c) portable (d) multitasking
- 2 When scheduler submits a process to the queue, process is said to be in _____ state.
(a) hold (b) submit (c) run (d) ready-to-run
- 3 Which command is used with the vi editor to save file and remain in the editing mode?
(a) :q (b) :q! (c) :w (d) :x
- 4 The cut command is used to
(a) capture a file (b) print a file (c) copy a file (d) filter a file
- 5 _____ path name uses the current directory as point of reference for the file.
(a) Relative (b) Absolute (c) Both A and B (d) None of these
- 6 Use of \ in removing meaning of any meta character placed after it is known as _____.
(a) Treating (b) Escaping (c) Editing these (d) None
- 7 case statement ends with _____.
(a) end (b) end case (c) esac (d) None
- 8 To turn debugging on _____ option is used with set command.
(a) -dx (b) +vx (c) + dx (d) -vx
- 9 Which of the following is not a filter program?
(a) date (b) sort (c) cat (d) grep
- 10 _____ command copies to output those lines in the input that match a specified pattern.
(a) cut (b) grep (c) paste (d) echo

Q.2 Fill in the blanks and True/False.

[08]

- 1 Kernel works as a command interpreter. [True / False]
- 2 command > file can you append the output of a command to a file. [True / False]
- 3 if statement ends with fi. [True / False]
- 4 cut command is used to extract specific columns from the file [True / False]
- 5 vi always starts in _____ mode.
- 6 The shell prompt when further input is needed, by default it is _____.
- 7 For Logical OR operator _____ option is used.
- 8 Full form of grep is _____.

[P.T.O.]

Q.3 Explain following in brief. (Attempt any Ten)

[20]

- 1 Define term Kernel in context of UNIX.
- 2 List Modes of Operation of vi Editor.
- 3 Discuss the following commands in short taking an example. pwd and rm
- 4 Define: prompt, external command
- 5 Explain quoting in brief.
- 6 Differentiate: > and >>
- 7 Explain if statement in LINUX.
- 8 Explain echo command
- 9 Explain for loop with example.
- 10 Define: filter. Give 2 examples of filter.
- 11 Explain -v and -c option of grep command.
- 12 Differentiate : expr.

Q.4 Explain the following in detail. (Attempt any Four)

[32]

- 1 List and explain Strength and Weaknesses of UNIX like Operating System
- 2 Explain concept of CUT-COPY-PASTE in vi editor.
- 3 What is path? Explain Absolute and Relative path with example.
- 4 Write note on: Command line argument
- 5 Explain all control structures in details.
- 6 What is Shell script? Explain uses of Shell script and execution of shell script.
- 7 Write note on sed filter.
- 8 Explain grep command with example.