SARDAR PATEL UNIVERSITY
V.V.NAGAR
EXTERNAL EXAMINATION (2019)
BCA-5th Semester

COURSE:: US05EBCA01
DATE:16/11/2019, Saturday
TIME: 10:00 to 12:00 PM

SUB:: Basics of Unix Operating system
MARKS::70

Q:1 Give answers of following multiple choice questions [10]

[1] A process whose execution comes to an end will be in _____ state.
- A. Hold
- B. Submit
- C. complete
- D. run

[2] For Logical AND operator _____ Command is used.
- A. -a
- B. -c
- C. -o
- D. -d

[3] Which of the following are used as loops?
- A. For
- B. While
- C. Both A and B
- D. None of these.

[4] Full form of sed is
- A. Sequential Data
- B. Stream Editor
- C. Sequence Editor
- D. None of these

[5] _____ option of grep doesn't display lines matching expression.
- A. -c
- B. -i
- C. -v
- D. -x

[6] Which of the following is a filter program?
- A. Date
- B. Rm
- C. mv
- D. Grep

[7] Unix Operating System is a _____
- (A) Time Sharing Operating System
- (B) Multi Tasking Operating System
- (C) Multi-User Operating System
- (D) All of Above

[8] Which command can be used to display the contents of a file on the screen?.
- A. Ls
- B. Grep
- C. cat
- D. cut

[9] How can you append the output of a command to a file?
- A. command < file
- B. command << file
- C. command > file
- D. command >> file

[10] _____ directory contains executable files for most of the UNIX commands
- A. Lib
- B. Bin
- C. Dev
- D. Tmp

(P.T.O.)

① (1)

Q:2 Answer the following short questions **(any Ten)** [20]
  [1]   List Strength of UNIX like Operating system.
  [2]   Explain cp command in brief.
  [3]   Explain −v and −c option of grep command.
  [4]   Explain use of expr for performing arithmetic operations..
  [5]   Explain escaping in brief.
  [6]   List all saving and quitting command of vi Editor.
  [7]   Explain echo command
  [8]   Define: internal command. Give 2 examples of internal commands
  [9]   Define: filter. Give 2 examples of filter .
  [10] Differentiate: if and case
  [11] Explain read command
  [12] Explain use of ^ and $ in grep command.

Q:3 [a] List and explain Weaknesses of UNIX like Operating System . [06]
    [b] Explain Multiuser and Multitasking in detail [04]
                          OR
Q:3 [a] Write a note on Brief history of UNIX operating system. [06]
    [b] Explain Kernel in detail. [04]

Q:4 [a] What is path? Explain Absolute and Relative path with example. [06]
    [b] Explain Input/Output Redirection in detail. [04]
                          OR
Q:4 [a] Write note on: Command line argument [06]
    [b] Explain Cat Command. [04]

Q:5 [a] Explain While loops with syntax and example. [06]
    [b] What is Shell script? Explain uses of Shell script and execution of [04]
        shell script.
                          OR
Q:5 [a] Explain For Loop with Syntax and Example. [06]
    [b] Explain case statement with example. [04]

Q:6 Explain grep filter and sed filter in detail. [10]
                          OR
Q:6 Explain method of processing data in text files for fixed-width [10]
    format and delimited format in detail

— X —
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