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Question Bank
B.Sc. Part – III Semester – V (CBCS)
Computer Science Paper – XI
DSE-23E Linux Part – I

Q1) Select the correct alternative and rewrite the sentence. (1 mark each)

- 1) _____ command is used to print last N number of data of the given file
 - A) Head
 - B) Sort
 - C) Tail
 - D) None of these
- 2) _____ command is used for pattern matching in Linux.
 - A) Mv
 - B) Cd
 - C) Both (A) and (B)
 - D) grep
- 3) Internet protocol POP stands for _____.
 - A) Post Office Protocol
 - B) Pre Office Protocol
 - C) Private Office Protocol
 - D) None of these
- 4) _____ is/are functions of operating system.
 - A) Memory Management
 - B) Security
 - C) Device Management
 - D) All of these
- 5) _____ is the extension of shell script file in Linux.
 - A) .sh
 - B) .ext
 - C) .txt
 - D) All of these
- 6) _____ command is used to move one or more files or directories from one place to another in file system.
 - A) Move
 - B) Rename
 - C) Mv
 - D) ren
- 7) _____ character is the default prompt in Bourne-type shell.
 - A) ?
 - B) \$
 - C) *
 - D) %
- 8) _____ number in octal method represent read permission of chmod command.
 - A) 4
 - B) 5
 - C) 7
 - D) 0
- 9) In shell program, case statement ends with _____.
 - A) End case

- B) Esac
 - C) End
 - D) None of these
- 10) _____ is/are the types of shell in Linux.
- A) C shell
 - B) B shell
 - C) Bourne shell
 - D) Bothe (A) and (C)
- 11) Command used to count number of character in a file is.
- A) grep
 - B) wc
 - C) count
 - D) cut
- 12) What command is used to copy files and directories?
- A) copy
 - B) cp
 - C) rn
 - D) cpy
- 13) Which command is used to change permissions of files and directories?
- A) mv
 - B) chgrp
 - C) chmod
 - D) set
- 14) Where can I find the printer in the file structure?
- A) /etc
 - B) /dev
 - C) /lib
 - D) /printer
- 15) The permission -rwxr-r- represented in octal expression will be
- A) 777
 - B) 666
 - C) 744
 - D) 711
- 16) Which command is used to assign read-write permission to the owner?
- A) chmod a+r file
 - B) chmod o+r file
 - C) chmod u=rw file
 - D) chmod og-r file
- 17) Which is loaded into memory when system is booted?
- A) Kernel
 - B) Shell
 - C) Commands
 - D) Script
- 18) How to run a process in the background?
- A) &
 - B) *
 - C) ?

- D) |
- 19) which of these is NOT a valid variable in bash
- A) __ (double underscore)
 - B) _1var (underscore 1 var)
 - C) _var_ (underscore var underscore)
 - D) some-var (some hyphen var)
- 20) What is a shell in UNIX?
- A) a program through which users can issue commands to UNIX
 - B) a window management system
 - C) the login screen
 - D) the thing that rides on the back of a turtle in UNIX
- 21) In VI, _____ mode is used to revert command mode.
- A) Back space
 - B) Enter
 - C) Escape
 - D) None of these
- 22) _____ is a command interpreter
- A) Shell
 - B) Kernel
 - C) Both A and B
 - D) None of these
- 23) The Kill command _____ the process.
- A) Create
 - B) Terminate
 - C) Manage
 - D) None of these
- 24) In Linux _____ command is used to move a file
- A) cat
 - B) cp
 - C) rm
 - D) mv
- 25) Linux is a -----Operating System
- A) Single User
 - B) Multi User
 - C) Time Sharing
 - D) None of the above
- 26) Which command is used to see the content of a file
- A) more
 - B) cp
 - C) cat
 - D) rmdir
- 27) The type of shell mostly used for Linux is
- A) bash
 - B) korn
 - C) bourne
 - D) C-shell
- 28) Which command is used to compare files?
- A) cmp
 - B) diff
 - C) head
 - D) All of these

- 29) What command is used with vi editor to move back to the beginning of a word?
- A) w
 - B) e
 - C) a
 - D) b
- 30) What command is used to count just the number of lines contained in a file?
- A) wc - r
 - B) wc - w
 - C) wc - c
 - D) wc - l
- 31) Which command is used to display the unix version
- A) uname -r
 - B) uname -n
 - C) uname -t
 - D) kernel
- 32) Which command is used to print a file
- A) print
 - B) ptr
 - C) lpr
 - D) none of the mentioned
- 33) Shell is a
- A) Program
 - B) Hardware
 - C) Account
 - D) None of the above
- 34) -wxrwx-x is equivalent to
- A) 567
 - B) 675
 - C) 571
 - D) 672
- 35) To change the ownership of a file use
- A) chmod
 - B) chgrp
 - C) chown
 - D) change
- 36) To unmount a filesystem _____ command is used
- A) Umount
 - B) unmount
 - C) dismount
 - D) mount -u
- 37) Home directory of root is
- A) /home
 - B) /bin
 - C) /root
 - D) /boot
- 38) What command is used with vi editor to move back to the beginning of a word?
- A)w
 - B)e
 - C)a
 - D)b
- 39) Which process is used to create by parent process in Linux?
- A) child
 - B) zombie process

- C) orphan process
D) none of these
- 40) _____ indicate writable permission of a file.
- A) r
B) w
C) x
D) e

Q 2) Attempt any two (8 mark for each)

- 1) What is use of chmod command? How to use it?
- 2) Explain looping statements in shell programming.
- 3) What is shell? How shell process a command entered by user?
- 4) Explain directory management commands.
- 5) Explain any 5 Process Management commands.
- 6) Explain SMTP and IMAP Internet protocol in detail.
- 7) Explain following filters in linux
 - i) Grep
 - ii) sort
- 8) Explain conditional statements in shell programming.
- 9) Explain file management commands.
- 10) What is Signal and types of Signal.
- 11) Explain any 4 GPU commands.
- 12) Explain kernel in detail.
- 13) Explain Process States in detail.

Q.3) Attempt any four (4 marks each)

- 1) What are different types of Linux?
- 2) What are advantages of Linux Operating system.
- 3) Explain cp command with its options.
- 4) Explain insert mode and ex mode of vi editor.
- 5) Explain read and echo statement in Linux.
- 6) How to delete directory which contains number of files?
- 7) Explain cal command with its options.
- 8) List the different features of Linux.
- 9) Explain date command with its options.
- 10) Write a shell script to check the given number is odd or even using command line arguments.
- 11) What is Mounting and Un-mounting File System.
- 12) Explain use and syntax of case structure used in shell programming.
- 13) Write a shell script to display first 10 natural numbers.
- 14) Explain Directory Manipulation commands in detail.
- 15) What are the different services of an operating system.
- 16) How to use tail command? Give its examples.
- 17) Define Boot block, Super block, Inode table.
- 18) Write a note on linux file permissions.
- 19) Explain Login & Logout process of linux.
- 20) Explain script & wc command in detail.