



K20U 0950

Reg. No. :

Name :

IV Semester B.C.A. Degree (CBCSS – Reg./Sup./Imp.)
Examination, April 2020
(2014 Admn. Onwards)
Core Course
4B10BCA : LINUX ADMINISTRATION

Time : 3 Hours

Max. Marks : 40

SECTION – A

1. **One** word answer : (8×0.5=4)
- a) What does Grep() stand for ?
 - b) _____ command is used to change password of a user.
 - c) In which directory we can find network configurations ?
 - d) _____ command will allows a user with proper permissions to execute a command as another user.
 - e) The _____ command can be used in Linux to add user groups to the system.
 - f) What is the use of chmod command ?
 - g) What is a 'hard link' ?
 - h) What is "comm" used for ?

SECTION – B

Write short notes on **any seven** of the following questions : (7×2=14)

- 2. Explain CLI.
- 3. What are the different functionalities and responsibilities of a Linux System Administrator ?
- 4. What is umask and what is its use in Linux ?
- 5. What is the routing table in Linux ?

P.T.O.



6. List the fields in /etc/ passwd file.
7. Procedure to add new user in Linux.
8. What is a file system ?
9. What is the difference between an Argument and an Option (or Switch) ?
10. What is the difference between Home Directory and Working Directory ?
11. What are two functions the move 'MV' Command can carry out ?

SECTION – C

Answer **any four** of the following questions :

(4x3=12)

12. Define a macro, a key binding for the existing command. How would you do it ?
13. What does the command 'hash' is used for in bash Shell ?
14. How will you abort a shell script before it is successfully executed ?
15. While installing the new RPM, what common steps should take ?
16. Usage of 'free' command in Linux.
17. Explain the usage of 'PS' Commands with example.

SECTION – D

Write an essay on **any two** of the following questions :

(2x5=10)

18. Advantage of shadow password over traditional password system.
 19. What is DHCP ? What are the advantages ?
 20. What is TELNET and how it works ?
 21. How do SSH keys work ?
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