



K21U 0946

Reg. No. : .....

Name : .....



IV Semester B.C.A. Degree (CBCSS – Sup./Imp.) Examination, April 2021  
(2014-'18 Admissions)

Core Course

4B10 BCA : LINUX ADMINISTRATION

Time : 3 Hours

Max. Marks : 40

SECTION – A

1. One word answer : (8×0.5=4)

- What is the maximum length for a filename under Linux ?
- What is the pwd command ?
- Which directory contain all the system configuration files ?
- Which command is used to remove a file or directory on Linux ?
- Nano is \_\_\_\_\_ in Linux.
- What does 'cd' do ?
- 'wq' is used to \_\_\_\_\_ in VI editor.
- GUI Stands for

SECTION – B

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

- What are the main differences between Linux and UNIX ?
- Explain 'swap space'.
- Explain the three owner types in Linux.
- Explain the 3 kinds of file permissions under Linux ?
- What is a 'root account' ?
- How to create a folder file in desktop using terminal ?

P.T.O.



8. What is the Linux kernel ?
9. How to compress files on Linux ?
10. What is Shell Script and why it is required ?
11. What are the different type of variables used in a Shell Script ?

#### SECTION – C

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

(4×3=12)

12. What is LVM, and what are the advantages of using it ?
13. Enlist some Linux networking and troubleshooting commands ?
14. Shell Script to find Number is Even or Odd.
15. What is internal command and external command in UNIX ?
16. Explain process id.
17. Explain Run Levels in Linux.

#### SECTION – D

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

(2×5=10)

18. Explain Linux Directory Structure.
  19. What is Ext2, Ext3 and Ext4 ?
  20. If you have 500GiB of HDD Create partition for installing Linux operating system.
  21. Explain the differences between hard link and soft link.
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