



K17U 0681

Reg. No. :

Name :

IV Semester B.C.A. Degree (CBCSS-Reg./Sup./Imp.)

Examination May 2017

Core Course

4B 10BCA : LINUX ADMINISTRATION

(2014 Admn. Onwards)

Time : 3 Hours

Max. Marks : 40

SECTION – A

1. One word answer :

(8×0.5=4)

- a) The _____ command is useful for displaying short files of a few lines.
- b) How do you stop a currently running process ?
- c) How do you do number comparison in shell scripts ?
- d) _____ is the command used to set the default rwx permission to all users on every file created in the current shell.
- e) _____ command is used to get help on any commands in Linux.
- f) The startup scripts in Linux are known as _____
- g) In run level _____ the system is completely shut down.
- h) _____ command is used to search for contents in a file.

SECTION – B

Write short notes on **any seven** of the following questions.

(7×2=14)

2. What are the different types of commonly used shells on a typical linux system ?
3. Explain the various stages of a Linux process.
4. Explain directories used in Linux file system.
5. What are the steps involved in creating a Linux user account ?

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6. What are system configuration files ?
7. Write the command which will print numbers from 0 to 100 and display every third (0 3 6 9...).
8. What is a umask ? Create a umask that would give no permissions to the group or the world.
9. What is Kernel initialization ?
10. How will you trace system calls ?
11. How will you mount file systems in Linux ?

SECTION – C

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

(4×3=12)

12. Explain the Cron Job scheduling command.
13. Explain Vi editor in detail.
14. What are filters ? Give examples.
15. How will you compress a file in Linux ?
16. What are the powers of a superuser ?
17. What is the function of swapper in booting ?

SECTION – D

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

(2×5=10)

18. Explain the Linux system administration tasks.
 19. Explain in detail rpm package management.
 20. Distinguish between LILO and GRUB boot process.
 21. Explain the file access permissions in Linux. How we can set or change the permissions ?
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