K16U 0677

Reg. No. : ....

Name : ....

IV Semester B.C.A. Degree (CBCSS – 2014 Admn. – Regular) Examination, May 2016
Core Course
4B 10BCA : LINUX ADMINISTRATION

Time : 3 Hours

Max. Marks : 40

SECTION – A

1. One **word** answer :

   (8×0.5=4 Marks)

   a) How do you list currently running process ?

   b) _____ is the command to find out the current directory you're in.

   c) The file access permissions can be changed using _____

   d) _____ is the most privileged user in Linux.

   e) What is the command to shutdown a system 15 minutes from when it is run.

   f) _____ command shows every system call made by a process.

   g) Filesystems are attached to the hierarchical file tree with the _____ command.

   h) If the _____ bit is set on a directory, the filesystem won't allow you to delete or rename a file unless you are the owner of the directory, the owner of the file or the superuser.

SECTION – B

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

(7×2=14 Marks)

2. What is a shell ?

3. What is the difference between grep and egrep ?

4. What are the four fundamental components of every file system on linux ?

5. What are the operating modes of vi editor ?

6. What are the functions of linux system administrator ?

7. What are pipes ?

8. What are the runlevels used in Linux ?

9. What is the relevance of /etc/passwd file ?

10. Explain the steps for adding users.

11. What are TCP Wrappers ?

SECTION – C

Answer **any four** of the following questions.   (4x3=12 Marks)

12. Explain X window system.

13. Write shell script to print given number in reverse order.

14. What are the meta characters used in Linux ?

15. Explain the use of /etc/grub.conf file.

16. Explain su command.

17. What are the basic tasks performed by the start up scripts ?

SECTION – D

Write an essay on **any two** of the following questions.   (2x5=10 Marks)

18. What are the characteristics of Linux Operating System ?

19. Explain various job scheduling commands in Linux.

20. Explain the Boot Process.

21. Explain the Linux installation process.

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