Reg. No. : ....

Name : ....

IV Semester B.C.A. Degree (CBCSS – Reg./Supp./Imp.) Examination, April 2019
(2014 Admission Onwards)
Core Course
4B10BCA : LINUX ADMINISTRATION

Time : 3 Hours   Max. Marks : 40

SECTION – A

1. **One** word answer.   (8×0.5=4)

   a) _____ command gives you a long listing of files and directories in Linux.

   b) Applications communicate with Kernel by using _____

   c) The permission code that allows everyone to read or execute a file is _____

   d) The first process of Linux system is _____

   e) When you log into a Linux system you will be in _____ shell.

   f) _____ file provides system wide environment variables.

   g) GUI of Linux is termed as _____ .

   h) _____ symbol sends the output of a command to a file or a device.

SECTION – B

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

2. What is the use of umask command ?

3. What is system call ?

4. Write shell commands for the following :

   a) Create a directory EMPTY

   b) In this directory create a file called ADDRESS and store your name, age and address in it.

   c) Display the contents of ADDRESS on the screen.

   d) Make a copy of ADDRESS into another file NEWADDRESS.

P.T.O.

5. What do you mean by positional parameters ?

6. What is the use of cron command ?

7. Explain the significance of rc files.

8. What do you mean by tcp wrappers in Linux ?

9. How can you restrict access to Linux machine ?

10. Which command helps you to remove a file that has not been accessed for a period of time ? Explain with syntax.

11. What is the purpose of MBR partition ?

SECTION – C

Answer **any four** of the following questions.   (4×3=12)

12. Explain the different runlevels in Linux.

13. Describe grep command with syntax and example.

14. Write a shell script which displays the message "Good Morning"/"Good Afternoon"/"Good Evening" depending upon the time.

15. What are the usual permissions for a file ? How will you forcibly remove a file if you don't have write permission ?

16. What are the entries made in the inode table for each file ?

17. What is rpm ?

SECTION – D

Write an essay on **any two** of the following questions.   (2×5=10)

18. Write a short note on GRUB.

19. Explain the decision making structures in Shell script with examples.

20. Explain the features of Linux.

21. Write a short note on Linux Package Management.

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