Reg. No. : ....

Name : ....

IV Semester B.C.A. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/ Improvement) Examination, April 2024
(2019 to 2022 Admissions)
Core Course
4B10BCA : LINUX ADMINISTRATION

Time : 3 Hours

Max. Marks : 40

PART – A
Short Answer

Answer **all** questions : (6×1=6)

1. The hashed passwords for users are stored in _____ file in etc folder.

2. What is useradd command ?

3. _____ mode in vi editor enables you to insert text into the file.

4. What is the significance of *ls* command ?

5. What is lilo.conf file ?

6. What is the purpose of runlevel 1 ?

PART – B
Short Essay

Answer **any 6** questions : (6×2=12)

7. What is multi-user operating system ?

8. What are the benefits of using free software ?

9. What is the difference between pipe command and piping a command ?

10. What are the advantages of shell scripting ?

P.T.O.

11. What is the significance of .bashrc file in Linux ?

12. Define runlevels in Linux.

13. What is the significance of logrotate utility in system maintenance ?

14. What is meant by incremental back up in Linux ?

PART – C
Essay

Answer **any 4** questions :   (4×3=12)

15. Explain the commands to change password for users in Linux.

16. What is absolute path name ? Explain with examples.

17. List the commands used to delete characters and lines from a file.

18. Explain if-then-else command in shell scripting.

19. What is meant by mounting file system in Linux ?

20. Explain cp command in performing following activities :
    i) Copying between two files in Linux.
    ii) Copy files to a directory in Linux.
    iii) Copying files between two directories in Linux.   (1+1+1)

PART – D
Long Essay

Answer **any 2** questions :   (2×5=10)

21. Explain file permissions and user groups in Linux.

22. Define infinite loops and various loop control commands used in shell scripting.

23. Explain any five major services in Linux system.

24. What is swap partitioning ? What are the benefits of using swap partition ?

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