

KNT/KW/16/5256

Bachelor of Computer Application (B.C.A.) Semester-II (C.B.S.) Examination**LINUX OPERATING SYSTEM****Paper-V**

Time : Three Hours]

[Maximum Marks : 50

- Note :—** (1) **All** questions are compulsory and carry equal marks.
(2) Draw neat and labelled diagrams wherever necessary.

1. EITHER

- (a) Explain Anatomy of Linux Operating System. 5
(b) What is shell ? Explain the types of shells in Linux. 5

OR

- (c) Give syntax, purpose and example of the following commands : 5
(i) is
(ii) cat
(iii) cp
(iv) mkdir
(v) rmdir
(d) Write short notes on :
(i) spawning process
(ii) file types in Linux. 5

2. EITHER

- (a) Explain the following modes in vi editor : 5
(i) Command mode
(ii) Insert mode
(b) What is Backup ? Explain Backup and restoring the file system in Linux O.S. 5

OR

(c) Explain tar command with example. Also explain restoration of file system. 5

(d) Explain how files are compressed and uncompressed using gzip and gunzip command. 5

3. **EITHER**

(a) Write short notes on changing file ownership. Explain chmod command as well. 5

(b) Explain how to change the password for user account and explain rules for changing password as well. 5

OR

(c) Write short notes on :

(i) Type of processes

(ii) Creating group account. 5

(d) Discuss top utility in Linux. 5

4. **EITHER**

(a) Explain the syntax of df and dk command. 5

(b) What do you mean by communication utility ? Explain write and wall command. 5

OR

(c) Write the syntax and purpose of the following commands : 5

(i) find

(ii) who

(iii) finger

(iv) Mesg

(v) Talk

(d) Explain KDE and GNOME desktop environment. 5

5. Attempt **All** :

(a) List file types in Linux. Explain any one type. 2½

(b) Explain the following :

(i) PWD

(ii) Priting a file 2½

(c) Write note on protecting a file. 2½

(d) Explain KDE in Linux. 2½