

KNT/KW/16/5161

Bachelor of Science (B.Sc.) Semester–IV (C.B.S.) Examination

COMPUTER SCIENCE

(Linux Operating System)

Paper–II

Time : Three Hours]

[Maximum Marks : 50

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

EITHER

1. (a) Draw Directory structure of Linux. Explain the role of following directories in Linux OS :
(i) /dev
(ii) /etc
(iii) /usr
(iv) lost+found. 5
(b) Explain salient features of Linux OS. 5

OR

- (c) State syntax, purpose and example of the following commands :
(i) ls
(ii) stat
(iii) cp
(iv) mv
(v) cat. 5
(d) Explain the role of kernel in Linux Operating System. 5

EITHER

2. (a) Explain vi editor in brief. 5
(b) Why is back up needed ? Give difference between backup a file and copying a file. Write short note on tar 'utility'. 5

OR

- (c) Write steps to format floppy disk in Linux Operating System. 5
(d) State syntax, purpose and example of gzip and gunzip commands. 5

EITHER

3. (a) Under which directory 'passwd' file is kept in Linux Operating System ? What information is placed in 'seven' separate fields in 'passwd' file ? 5
- (b) Write steps to create group account. 5

OR

- (c) Write short note on 'symbolic file permission'. 5
- (d) State syntax, purpose and example of :
- (i) Chown
 - (ii) Chgrp
 - (iii) Command. 5

EITHER

4. (a) What for 'mesg' command is used ? Explain 'write' and 'talk' commands. 5
- (b) Write short note on KDE desktop environment. 5

OR

- (c) Describe X-window system. 5
- (d) Give syntax, purpose and example of du and df commands. 5
5. Attempt **all** :
- (a) Explain home directory in Linux. 2½
 - (b) Explain Print Spool. 2½
 - (c) Give syntax, purpose and example of kill command. 2½
 - (d) Discuss strategies, which can be implemented to create more space on disk ? 2½