

5. Attempt **ALL** :—

(a) Explain shutdown command with all options. 2½

(b) What is print spool ? Write command to send file to the printer. 2½

(c) Write chmod command to make file ‘xyz’ read only for all categories of users. 2½

(d) Write command to enable and disable message. 2½

TKN/KS/16/5876

Bachelor of Science (B.Sc.) Semester—IV
(C.B.S.) Examination
COMPUTER SCIENCE
Paper—II
(Linux Operating System)

Time—Three Hours] [Maximum Marks—50

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

EITHER

1. (a) Explain the role of Kernel in Linux operating system. 5

(b) Draw directory structure of LINUX OS and explain purpose of each directory in it. 5

OR

(c) Give syntax, purpose and example of the following commands :
(i) ls

(ii) cp	
(iii) mkdir	
(iv) rmdir	
(v) cat.	5
(d) State features of LINUX OS.	5

EITHER

2. (a) Explain vi editor in brief. 5
 (b) Why is backup needed ? Explain tar command. 5

OR

(c) Write steps to Format floppy disk in LINUX Operating System. 5
 (d) Explain how files are compressed and uncompressed while taking backup. 5

EITHER

3. (a) State syntax, purpose and example of the following commands :
 (i) Chown
 (ii) Chgrp. 5

(b) Discuss top utility in LINUX. 5

OR

(c) Under what conditions password must be changed ? Write steps to change password for user account. 5
 (d) What is PID ? Discuss PS command in brief. 5

EITHER

4. (a) Write syntax, purpose and example of managing the following disk space commands :
 (i) df
 (ii) du. 5
 (b) Explain following communication utilities :
 (i) talk
 (ii) write
 (iii) wall. 5

OR

(c) Explain GNOME desktop environment. 5
 (d) Discuss strategies which can be implemented to create more space on Hard disk. 5