

NTK/KW/15 – 5876

**Fourth Semester Bachelor of Science
(B. Sc.) Examination
COMPUTER SCIENCE
(Linux Operating System)
Paper-II**

Time : Three Hours] [Max. 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 and explain structure of Linux OS. 5
(B) Explain following file types.
 - (i) User data files.
 - (ii) System data files.
 - (iii) Executable file.
 - (iv) Naming files. 5

OR

- (C) Give syntax and purpose of following commands :—
 - (i) Mkdir.
 - (ii) Rmdir
 - (iii) CP

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Contd.

(iv) ls	
(v) Stat.	5
(D) State features of Linux OS.	5

EITHER

2. (A) What is Backup ? Explain backup and restoring the file system in Linux OS.	5
(B) Explain working with vi editor.	5

OR

(C) Explain tar command with example.	5
(D) Write short notes on sending files to Printer.	5

EITHER

3. (A) What is Process ? Explain its types.	5
(B) Write short notes on Changing File Ownership.	5

OR

(C) Write syntax, purpose and example of PS command.	5
(D) Explain User Accounts and Changing Password.	5

EITHER

4. (A) Explain KDE and GNOME environment.	5
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(B) What do you mean by communication utility ?
Explain write and wall command. 5

OR

(C) Give syntax and purpose of the following commands.

(i) Talk
(ii) Mesg. 5

(D) Write short note on X window system. 5

5. Attempt any **ten** :—

(a) Write rules for naming a file.
(b) List any two popular shell in linux OS.
(c) Give syntax and purpose of cat command.
(d) Explain use of floppy disk.
(e) Why backup is necessary ?
(f) What is the use of gzip and gunzip command ?
(g) State purpose of free command.
(h) State syntax of kill command.
(i) Write command to make file 'ABC.TXT' as Read-only.
(j) Explain purpose of finger command.
(k) Write steps for setting system clock.
(l) Explain purpose of df and du command.

1 x 10