

NTK/KW/15 – 5967

**Second Semester Bachelor of Computer
Application (B.C.A.) Examination**

Paper – V

LINUX OPERATING SYSTEM

Time : Three Hours]

[Max. Marks : 50

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

EITHER

- 1 (A) What is Linux OS ? Give the characteristics of Linux OS. 5
(B) Draw and Explain Directory Structure of Linux OS. 5

OR

(C) Explain following Commands with options :—

- | | |
|----------|----------|
| (i) stat | (ii) cat |
| (iii) m | (iv) mv |
| (v) CP | |

5

(D) Explain following file types :—

- (i) User Data files
- (ii) System Data files
- (iii) Executable files
- (iv) Naming files.

5

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Contd.

EITHER

2. (A) Write a note on the following :—
- (1) Editor
 - (ii) Formatting a Floppy Disk. 5
- (B) Explain the procedure for backing Up and Restoring the file system in LINUX OS. 5

OR

- (C) Explain following Printing File Type :—
- (i) Print spool directory.
 - (ii) Sending files to printer. 5
- (D) Give syntax and purpose of following Commands :—
- (i) gzip
 - (ii) gunzip
 - (iii) tar 5

EITHER

3. (A) Write procedure to Create User Account. 5
- (B) Write steps to create a Group Account. 5

OR

- (C) Define Process. Explain Process states in detail. 5
- (D) Write note on the following :—
- (i) Protecting files.
 - (ii) Sharing files. 5

EITHER

4. (A) Write Syntax and purpose of following Comm-ands giving suitable example.

(i) mesg (ii) talk 5

- (B) List various communication Utilies Supported by LINUX OS. Discuss two of them. 5

OR

- (C) Explain following Commands with options :—

(i) df (ii) du
(iii) find (iv) wall
(v) write. 5

- (D) Explain GNOME and KDE desktop environment. 5

5. Attempt any **ten** :—

- (a) What is logging in and logging out ?
- (b) What is shell prompt ?
- (c) Give syntax and purpose of mkdir command.
- (d) What command is used to send a file to printer ?
- (e) What is the purpose of tar utility ?
- (f) Give command for formatting file in Linux.
- (g) Give purpose of top utility.
- (h) Explain Kill command.
- (i) State purpose of free command.
- (j) What is GUI ?
- (k) Explain the function of X• Window System
- (l) Explain purpose of write command.

1 x 10