

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

Time : Three Hours]

[Maximum Marks : 50

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

**1. EITHER**

- (a) Write a procedure to login and logout for LINUX Operating System. Write steps for changing shell prompt. 5
- (b) Give syntax, purpose and example of the following commands in LINUX. 5
- (i) ls
- (ii) mk dir
- (iii) rm dir

**OR**

- (c) Write a note on spawning processes. 5
- (d) Explain Cat command in detail with all of it's uses. 5

**2. EITHER**

- (a) Write a note on vi editor. 5
- (b) Write a note on : 5
- (i) gzip
- (ii) gunzip commands.

**OR**

- (c) Write steps to FORMAT floppy disk in LINUX Operating System. Give purpose of formatting a floppy disk. 5
- (d) Explain purpose of print spool directory and write steps for sending files to printer in LINUX. 5

**3. EITHER**

- (a) Write steps to create group account. 5
- (b) Write syntax, purpose and example of the following commands : 5
- (i) PS
- (ii) free command

**OR**

- (c) Explain chmod command in detail. 5
- (d) Write note on : 5
- (i) Creating a process
- (ii) Killing a process.

4. **EITHER**

- (a) Write steps to locate unused files in LINUX. 5
- (b) Explain X-window system in detail. 5

**OR**

- (c) Explain following the communication utilities :
  - (i) mesg 5
  - (ii) write 5
- (d) Explain GNOME and KDE desktop environment.

5. Attempt all :

- (a) Explain directory structure of LINUX Operating System. 2½
- (b) Explain tar command in detail. 2½
- (c) Write a note on Octal File permissions. 2½
- (d) Write syntax purpose and example of finger command. 2½