

**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. :—** (1) **ALL** questions are compulsory and carry equal marks.

(2) Draw neat and labelled diagram wherever necessary.

**EITHER**

1. (a) Explain anatomy of Linux Operating System. 5
- (b) Give syntax, purpose and example of the following commands :
  - (i) cat
  - (ii) cP
  - (iii) rm
  - (iv) ls
  - (v) mkdir 5

**OR**

- (c) Write a short note on Spawning Process. 5
- (d) Explain file system in Linux. 5

**EITHER**

2. (a) Write steps to FORMAT floppy disk in Linux Operating System. 5
- (b) Write steps for sending files to printers in LINUX. 5

**OR**

- (c) Explain command and insert mode in Vi editor. 5
- (d) Explain how files are compressed and uncompressed using gunzip and gzip command. 5

**EITHER**

3. (a) Explain top utility in detail. 5
- (b) Explain the following commands :
- (i) Chmod
- (ii) Chown. 5

**OR**

- (c) Write steps to create a group account. 5
- (d) Define Process. Explain types of processes. 5

**EITHER**

4. (a) Explain df and du command with syntax and example. 5
- (b) Write steps to locate unused files in Linux. Explain KDE Desktop environment in brief. 5

**OR**

- (c) Explain purpose and syntax of write and wall command. 5
- (d) Describe x-windows system. 5
5. Attempt **ALL** :
- (a) What is Bash Shell ? Explain. 2½
- (b) Commands for gathering important system information. 2½
- (c) How will you make a file read only ? 2½
- (d) How will you set a system clock ? 2½