Bachelor of Science (B.Sc. I.T.) Semester–III Examination
LINUX OPERATING SYSTEM
Paper–IV

Time : Three Hours]   [Maximum Marks : 50

N.B. :– (i)   All questions are compulsory and carry equal marks.

   (ii)   Draw neat and well labelled diagram wherever necessary.

EITHER

1. (a)   Explain anatomy of LINUX operating system.   5

   (b)   Explain spawning processor with suitable example.   5

   OR

   (c)   Explain following types of file in Linux :

      (i)   User data file

      (ii)   System data file

      (iii)   Executable file.   5

   (d)   Give syntax, purpose and example of following commands :

      (i)   mv   (ii)   cp

      (iii)   rm   (iv)   cat

      (v)   stat.   5

EITHER

2. (a)   Write a note on :

      (i)   tar

      (ii)   print spool directory.   5

   (b)   Explain the purpose of formatting a floppy disk. Write steps to format a floppy disk.   5

   OR

   (c)   Explain gzip and gunzip command with example.   5

   (d)   Write a step to send a file to printer.   5

EITHER

3. (a)   Explain how to change the password for user account and rules for changing password.   5

   (b)   What is file permission ? How is it granted ? Explain.   5

   OR

   (c)   Explain role of chown and chgrp command in changing file ownership.   5

   (d)   What is PID ? Discuss PS command in brief.   5

EITHER

4. (a)   Explain df and du command with suitable example.   5

   (b)   Write a note on :

      (i)   locating unused files

      (ii)   finger command.   5

   OR

   (c)   State salient features of KDE. List and discuss various elements of KDE desktop.   5

   (d)   What do you mean by communication utility ? Explain write and wall command.   5

5. (a)   Explain the 'ls' and 'mkdir' command in Linux OS with example.   2½

   (b)   How to plan back up in Linux OS ? Explain.   2½

   (c)   Write steps to create group account.   2½

   (d)   Explain purpose and syntax of who command with its options.   2½