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

Time : Three Hours]   [Maximum 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) Draw and explain structure of linux O.S.   5

(b) What is shell ? List various shells available in linux and explain any two.   5

OR

(c) Explain changing the shell prompt with character code and description used for changing prompt.
                                                                                         5

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

(i) ls   (ii) mkdir

(iii) stat   (iv) mv

(v) cp   5

EITHER

2. (a) Why is back up needed ? Explain 'tar' command.   5

(b) Write a short note on vi editor.   5

OR

(c) Explain gzip and gunzip command.   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) Explain protecting files with chmod command.   5

OR

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

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

EITHER

4. (a) Give syntax and purpose of the following commands :

(i) write   (ii) wall

Explain how they help in communication.   5

(b) Explain df and du command.   5

OR

(c) Write a short note on x window system.   5

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

(i) who   (ii) who am i

(iii) finger   (iv) mesg   5

5. Attempt **ALL** :

(a) Explain spawning process.   2½

(b) Explain role of spool directory while printing file in linux.   2½

(c) Explain making a file read only.   2½

(d) Explain how to locate unused files on the system.   2½