TKN/KS/16–6010

Third Semester B. Sc. Information Technology Examination

LINUX OPERATING SYSTEM

Paper – IV

Time : Three Hours] [Max. Marks : 50

N. B. : (1) All questions are compulsory and carry equal marks.

(2) Draw neat and labeled diagram wherever necessary.

EITHER

1. (A) What is Linux OS ? Explain anatomy of Linux OS. 5

(B) Write a note on the following :—

   (i) Spawning.

   (ii) Super user. 5

OR

(C) List the character codes and its purpose which used to change the shell prompt. 5

(D) Explain the following commands and its purposes.

   (i) ls

   (ii) Cat

   (iii) CP 5

EITHER

2. (A) What is the process for adding a new hardware? 5

(B) Write a note on the following :—

   (i) grip.

   (ii) gunzip. 5

OR

(C) Write a steps for sending files to printer. 5

(D) What is back up process ? What precautions should taken by user to prevent the data file. 5

EITHER

3. (A) Explain the scheme for changing password. 5

(B) What is the process for protecting files ownership? 5

OR

(C) What is a process ? Give types of processes. 5

(D) Write procedure for killing a process. 5

EITHER

4. (A) Explain following commands.

   (i) df

   (ii) du 5

(B) What is the procedure for creating additional free disk space ? 5

OR

(C) Write a note on the following :—

    (i) Who.

    (ii) Wall. 5

(D) What is X Window System ? Explain its working mechanism. 5

5. (A) Explain shell program structure in Linux. $2\frac{1}{2}$

(B) Write a command for restoring a file. $2\frac{1}{2}$

(C) What is the purpose of free command ? $2\frac{1}{2}$

(D) List the advantages of file manger. $2\frac{1}{2}$