

NKT/KS/17/5161

Bachelor of Science (B.Sc.) Semester—IV (C.B.S.) Examination

COMPUTER SCIENCE

(Linux Operating System)

Paper—II

Time : Three Hours]

[Maximum Marks : 50

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

(2) Draw neat and labelled diagram wherever necessary.

EITHER

1. (a) List Directory Structure of Linux Operating System. Give purpose of each directory in it. 5
- (b) Give syntax, purpose and one example of following commands :
 - (i) ls
 - (ii) mkdir
 - (iii) stat
 - (iv) mv
 - (v) cp 5

OR

- (c) What is Shell ? List various shells available in Linux and explain any two. 5
- (d) Explain following types of file in Linux :
 - (i) User data files
 - (ii) System data files
 - (iii) System files. 5

EITHER

2. (a) Explain vi editor in brief. 5
- (b) Why backup is needed ? Explain tar command. 5

OR

- (c) Explain gzip and gunzip command. 5
- (d) Write steps to format floppy disk in Linux Operating System. 5

EITHER

3. (a) Discuss top utility in Linux. 5
- (b) Write octal permission for following :
- (i) read, write and execute for owner, group and others (i.e. all)
 - (ii) execute to all
 - (iii) read and write to all
 - (iv) write to all
 - (v) read and execute to all. 5

OR

- (c) Give syntax purpose and example of following commands :
- (i) Chown
 - (ii) Chgrp. 5
- (d) What is PID ? Discuss PS Command in brief. 5

EITHER

4. (a) Explain KDE Desktop Environment. 5
- (b) What do you mean by communication utility ? Explain write and wall commands. 5

OR

- (c) Discuss strategies which can be implemented to create more space on Hard Disk. 5
- (d) What is X windows system ? Explain how it works. 5
5. Attempt **all** :
- (a) Explain Home Directory in Linux. 2½
 - (b) Explain role of Spool Directory while printing file in Linux. 2½
 - (c) Write steps to create group account. 2½
 - (d) What for mesg command is used ? Write command to enable message. Write command to disable message. 2½