Total Pages : 3

1962/M

M-50/2051

LINUX ADMINISTRATION

Paper–222

Semester–IV

Time allowed : 3 Hours]   [Maximum Marks : 70

Note : Candidates are required to attempt two questions from each sections A and B carrying 10½ marks each. Section C consisting of 7 short answer type questions carrying 4 marks each.

SECTION-A

1. List the advantages of Linux operating system. Write down the steps of installing linux in command line mode.   10½

2. What is LILO? How LILO helps in managing the booting process?   10½

3. (a) Explain following commands:

   (i) pwd

   (ii) cd

   (iii) kill

   (iv) cat

   (v) ps.   5

   (b) What is a shell? Explain bash shell.   5½

4. What are the inodes? How will you find the ownership of a file? How will you change the ownership of a file and a group?   10½

SECTION-B

5. Explain the working of vi editor?   10½

6. What is XFree86? Write down the steps of installing XFree86 manually as well as from a script.   10½

7. What are the different shell types? Write a shell script that prompts the user for a name of a file or

directory and reports if it is a regular file, a directory, or another type of file. Also, perform an ls command against the file or directory with the long listing option. 10½

8. Explain the following tasks :

   (a) Mounting file system

   (b) Backup and Restore   5+5½ = 10½

SECTION-C

9. (i) What are system calls?

   (ii) What is the significance of swap space?

   (iii) Write down the steps of creating a boot disk.

   (iv) What is a shell?

   (v) How will you change the password of a user in linux?

   (vi) What is init service?

   (vii) UMASK setting.

                                  7×4 = 28