

PC-136/AK

O-2/2041

LINUX ADMINISTRATION

Paper – MS(A)-222

IInd Year (Annual)

Time : Three Hours]

[Maximum Marks : 80

Note : Attempt *two* questions each from Section A and B.
Section C will be compulsory.

SECTION – A

- I. Define Linux Operating System. Discuss history of Linux and also explain its booting process. 16
- II. What is the purpose of LILO boot manager? Write method of installing and updating LILO. 16
- III. What are wildcards? Explain their use with example. 16
- IV. What are files and directories? Discuss various file and directory ownerships and permissions. 16

SECTION – B

- V. What is Shell? What are the various most common shells? Explain it in detail. 16

- VI. Explain the commands used for text editing in vi editor. 16
- VII. What is the role of Xfree86 server? Discuss various steps followed in installing Xfree86. 16
- VIII. Explain the following : 16
- (a) WWW.
 - (b) NFS.
 - (c) DNS.
 - (d) Ports. (4×4=16)

SECTION – C

- IX. Define the following in brief :
- (a) grep command.
 - (b) Telnet services.
 - (c) / directory.
 - (d) Conditional statements.
 - (e) netstart command.
 - (f) Xconfig file.
 - (g) Static vs. Dynamic libraries.
 - (h) Root user vs. Normal user. (8×2=16)