35154

BT-5 / D-19

LINUX OPERATING SYSTEM

Paper–IT-301-N Option-I

Time allowed : 3 hours]   [Maximum marks : 75

Note:- Attempt five questions in all, selecting at least one question from each unit. All question carry equal marks.

Unit–I

1. (a) Describe the basic components of linux.   7

    (b) Write a short note on disk partitioning.   8

2. (a) What is the role of kernel in operating system.   8

    (b) Explain managing kernel modules at run time.   7

Unit–II

3. Write short notes on the following: 15

    (a) Address resolution protocol.

    (b) Subnets and routing.

4. (a) What do you mean by Remote procedure call services.   8

    (b) Explain Network information service.   7

Unit–III

5. (a) Explain the elements of windows networking.   8

    (b) What do you mean by Dual boot. Explain GRUB and NT Boot loaders.   7

(2)

6. (a) What is role of LDAP. Explain.   6

    (b) Write short notes on the following: 9

        (a) Shell Scripting

        (b) Scheduled jobs

        (c) Startup scripts

Unit–IV

7. (a) Discuss IP-firewalls.   7

    (b) Explain intrusion detection systems.   8

8. (a) Write a short note on spam and viruses.   8

    (b) Explain DNS zones.   7