

- N. B.: (1) **All** questions are **compulsory**.
(2) Make **suitable assumptions** wherever necessary and **state the assumptions** made.
(3) Answers to the **same question** must be **written together**.
(4) Numbers to the **right** indicate **marks**.
(5) Draw **neat labelled diagrams** wherever **necessary**.
(6) Use of **Non-programmable** calculators is **allowed**.

1. Attempt any two of the following **10**

- a. Explain GRUB.conf file in details
- b. What are rc scripts? How rc scripts can be managed?
- c. State the advantage of using hierarchical method for file system organization
- d. How to configure the secure system?

2. Attempt any two of the following **10**

- a. What are cron file? How cron files take care of system task? Explain.
- b. What is DHCP? How is DHCP configured? Explain in details.
- c. What is use of fstab? Explain contain of fstab.
- d. State the number of subnet mask and number of host for Class B subnet with 2,3,4 and 5 bits.

3. Attempt any two of the following **10**

- a. explain use of telnet, ftp, sync, finger talk, rlogin services.
- b. Compare inted and xinted services. Explain standalone services of xinetd.
- c. What are the steps of to configure Linux Firewall package?
- d. Distinguish between NFS and SAMBA Server.

4. Attempt any two of the following **10**

- a. State and explain E-Mail services and its component.
- b. Explain vsftpd configuration.
- c. Explain different types of DNS servers.
- d. Explain steps of configuring IMAP4.

5. Attempt any two of the following **10**

- a. Explain Apache web server with its features.
- b. How can a Secure server be created with SSL?
- c. Explain configuration of CGI on Apache with script in detail.
- d. Write a short note on Mailing Lists.

6. Attempt any two of the following **10**

- a. What are the advantages of shadow password over traditional password system?
- b. Explain rpmquery command with options.
- c. Explain how system administrator can create, modify and delete user accounts.

d. Explain the following used to set and enforce disk usage quotas.

1. edquota
2. quota
3. quotaoff
4. quotacheck
5. repquota

7. Attempt any three of the following

15

- a. how to install and configure application in Linux?
- b. Explain Memory File System and its uses.
- c. Explain IP Address , Netmasking and subnetmasking in details.
- d. Writeand explain files used by network configuration.
- e. Which command is used to change the expiration policy for user's password?
Explain with suitable example.
- f. What is Postfix Male Server? List the steps for configuring Postfix.

