

(3 Hours)

[Total Marks: 100]

- 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 labeled diagrams wherever necessary.
 (6) Use of Non-programmable calculators is allowed.

1. Attempt any two of the following:

10

- Explain the features of Linux in detail.
- What are the steps to Configure Linux Firewall packages?
- Explain the files required to configure DNS server.
- Explain POP3 and IMAP4.

2. Attempt any three of the following:

- What are different Linux distributions? Explain any three in brief.
- Explain the duty of the Linux system administrator in monitoring and tuning performance.
- Explain bootstrapping in Linux.
- Compare GRUB and LILO boot loaders.
- Explain the Linux directory structure.
- Write a short note on ext2 and ext3 file system.

3. Attempt any three of the following:

15

- What is use of fstab? Explain contents of fstab.
- What is cron? How cron files are taking care of system task? Explain.
- What are the network files to be changed when we setup or move the system? Explain.
- Explain Classless Inter domain Routing (CIDR).
- What are the advantages and disadvantages of NFS? Explain.
- What is NFS? What are the steps to configure a NFS server on Linux system?

4. Attempt any three of the following:

15

- Explain the global section of smb.conf file.
- How optimize samba networking?
- Explain the concept of catching proxy server.
- Explain the squid configuration parameters.
- Write a short note on SSH.
- What is xinetd? How is xinetd server configured?

5. Attempt any three of the following:

15

- List and explain different types of domain name servers.
- Explain the two programs used to check the DNS configuration.
- Explain Mail User Agent, Mail transfer Agent and Mail Delivery Agent.
- What is Postfix Mail Server? List the steps for configuring postfix.
- How is vsftpd configured? Explain the important configuration files of vsftpd.
- Explain any five parameters of vsftpd.conf file.

[Turn Over]

6. Attempt any three of the following:**15**

- Explain the features of Apache Web Server.
- Explain the <Files><Files>and<IfModule></IfModule>blocks.
- Write an SSI page that will display the long listing of the directory /home/tyit.
- List and explain the common mailman administrative tasks.
- Explain any five features of ht://Dig.
- What is RSS? List and explain the tags required for creating an RSS feed.

7. Attempt any three of the following:**15**

- How are LDAP services optimized? Explain.
- How are ftp services optimized? Explain.
- What is sudo? What are its features?
- Explain useradd command to create new user account with syntax and options.
- Explain the quotacheck command with example.
- Explain rpmquery command with options.