

TUE7 WJ | Linux - 185

Q.P. Code : 23214

(Time: 2  $\frac{1}{2}$  hours)

Total Marks: 75

- 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.

I. Answer any two of the following: 10

- Write a short note on Linux Distribution and GNU with example.
- What is rcscrip? How can rcscrip be managed by using chkconfig? Explain.
- Explain the stages of Linux boot process in detail.
- List and explain various Memory File System and its uses.

II. Answer any two of the following: 10

- Explain the following files in /etc/sysconfig/
  - irda
  - hwconf
  - apmd
  - kudzu
  - xinetd
- What is DHCP? How can you configure your machine as a DHCP server?
- Explain different NFS server Commands with syntax and example.
- Explain how to setup NIC (Network Interface Card) with the help of:
  - Configuring the network card
  - Configuring the internal network

III. Answer any two of the following: 10

- Explain [global] section of the file /etc/samba/smb.conf with different options.
- What is server message block protocol? Explain smbclient and smbmount commands.
- What are the different tasks performed by user to configure Time Server?
- Explain steps required to configure caching proxy server.

IV. Answer any two of the following: 10

- How is xinetd server configured? Explain.
- Explain the use of rsync, finger, scp, rlogin, ssh services.
- What is DNS? Explain the several types of domains.
- Explain the Zone statement of named.conf file with different options.

V. Answer any two of the following: 10

- What is vsftpd? Explain the advantages of vsftpd.
- How to configure user level FTP access?
- What are the different E-mail programs? Explain with suitable diagram.
- Write a brief note on sendmail and postfix.

[TURN OVER]

Q.P. Code : 23214

VI. Answer any two of the following:

10

- a. What is SSL? how user can create secure server with SSL?
- b. How can CGI be enabled with Apache? Explain.
- c. How to determine the content of rpm? Explain with example.
- d. Which command is used to change the expiration policy for user's password? Explain with suitable example.

VII. Answer three two of the following:

15

- a. List and explain all duties of Linux system administrator.
- b. Explain the steps used to setup IP address, Hostname and DNS Name Resolution.
- c. What is Samba? Explain printers and homes section of samba configuration file.
- d. List and explain the protocols which can be used on the Linux machine as a server.
- e. How to configure /etc/vsftpd/vsftpd.conf? Explain advantages of FTP server configuration.
- f. Write a short note on
  - i. Useradd
  - ii. Chsh
  - iii. Who
  - iv. sudo
  - v. /etc/shadow