

TWIT

7

(2½ 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**.

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

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- Explain features of Linux and its different distributions.
- Explain duties of system Administrator in Linux.
- During the boot process what are the steps carried out by the kernel?
- Explain file directory tree structure of Unix/Linux with neat diagram.

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

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- Explain how to manage rc or init scripts with chkconfig.
- What is DHCP? How can you configure your machine as DHCP server?
- What are advantages & disadvantages of NFS?
- State and explain NFS Configuration files.

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

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- State and Explain the steps of SAMBA Server & Client Configuration in detail.
- What are the different components of SMB? Explain.
- Write the procedure to configure Time Server.
- Explain how to configure Squid Proxy Server.

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

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- Explain Secure Services and less secure services of Linux.
- Explain how xinetd server can be configured.
- Explain steps how to configure domain system.
- Explain different types of servers used in DNS.

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

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- How is IMAP server configured for handling mails?
- How to maintain email Security?
- How to configure an anonymous FTP?
- Explain the advantages of vsftpd.

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

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- Explain steps of configuring Apache web server.
- Write a short note on CGI Scripts.
- Explain useradd and userdel command with the help of system Administrator.
- What are advantages of shadow password?

7. Attempt any three of the following:
- a. Explain backing up and restoring files in Linux.
 - b. What is use of fstab? Explain contents of fstab.
 - c. What is zone file? Explain with suitable example.
 - d. Explain contents of named.conf file.
 - e. How to manage mail queues?
 - f. Explain rpmquery command with options.
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