

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA ENGINEERING – SEMESTER – VI • EXAMINATION – WINTER - 2025

Subject Code: 3360703**Date: 15-11-2025****Subject Name: Networking Management & Administration****Time: 02:30 PM TO 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Use of programmable & Communication aids are strictly prohibited.
5. Use of only simple calculator is permitted in Mathematics.
6. English version is authentic.

Q.1

Answer any seven out of ten. દશમાંથી કોઇપણ સાતના જવાબ આપો.

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1. Define Tree and Forest.
૧. Tree અને Forest વ્યાખ્યાયિત કરો.
2. Explain Directory Service.
૨. Directory Service સમજાવો.
3. Describe VPN Client.
૩. VPN Client વર્ણવો.
4. Describe DNS Name Resolution.
૪. DNS Name Resolution વર્ણવો.
5. Define Canonical Name.
૫. Canonical Name વ્યાખ્યાયિત કરો.
6. Define Deleting or Disabling a User Account.
૬. Deleting અથવા Disabling User Account વ્યાખ્યાયિત કરો.
7. Define Ping and Ipconfig.
૭. Ping અને Ipconfig વ્યાખ્યાયિત કરો.
8. What is Internal Security?
૮. Internal Security શું છે?
9. Define Mapping Drives.
૯. Mapping Drives વ્યાખ્યાયિત કરો.
10. Define types of Group.
૧૦. Group ના પ્રકારો વ્યાખ્યાયિત કરો.

Q.2**પ્રશ્ન. ૨**

- | | | |
|-----|---|-----------|
| (a) | Explain Public Switched Telephone Network (PSTN). | 03 |
| (અ) | Public Switched Telephone Network (PSTN) સમજાવો. | ૦૩ |
| OR | | |
| (a) | Explain Integrated Services Digital Network (ISDN). | 03 |
| (અ) | Integrated Services Digital Network (ISDN) સમજાવો. | ૦૩ |
| (b) | Explain Reverse Address Resolution Protocol (RARP). | 03 |
| (બ) | Reverse Address Resolution Protocol (RARP) સમજાવો. | ૦૩ |
| OR | | |
| (b) | Explain Bootstrap Protocol (BOOTP). | 03 |
| (બ) | Bootstrap Protocol (BOOTP) સમજાવો. | ૦૩ |
| (c) | Define VPN Protocols. | 04 |
| (ક) | VPN Protocols વ્યાખ્યાયિત કરો. | ૦૪ |
| OR | | |
| (c) | Explain Secure Socket Layer (SSL). | 04 |

Q.3 પ્રશ્ન. ૩	(ક)	Secure Socket Layer (SSL) સમજાવો.	૦૪
	(d)	Explain DNS Request.	04
	(S)	DNS Request સમજાવો.	૦૪
	OR		
	(d)	Explain Resource Record.	04
	(S)	Resource Record સમજાવો.	૦૪
	(a)	Explain Network Application.	03
	(અ)	Network Application સમજાવો.	૦૩
	OR		
	(a)	Explain Network Growth and Capacity Planning.	03
	(અ)	Network Growth and Capacity Planning સમજાવો.	૦૩
	(b)	Explain Adding of DHCP and WINS roles.	03
	(બ)	DHCP અને WINS roles ઉમેરવાનું સમજાવો.	૦૩
	OR		
Q.4 પ્રશ્ન. ૪	(b)	Explain IP Address assignment in DHCP.	03
	(બ)	DHCP માં IP Address ની સોંપણી સમજાવો.	૦૩
	(c)	How to Create a Share?	04
	OR		
	(c)	How to Create Active Directory Group?	04
	(ક)	Active Directory Group બનાવવાની રીત લખો.	૦૪
	(d)	Define Different Types of backup.	04
	(S)	Backup ની વિવિધ પ્રકારો વ્યાખ્યાયિત કરો.	૦૪
	OR		
	(d)	Explain File and Directory Permission.	04
	(S)	File અને Directory Permission સમજાવો.	૦૪
	OR		
	(a)	Explain Network Printing Concept.	03
	(અ)	Network Printing નો સિદ્ધાંત સમજાવો.	૦૩
Q.5 પ્રશ્ન. ૫	OR		
	(a)	Define Maintaining Group Membership.	03
	(અ)	Maintaining Group Membership વ્યાખ્યાયિત કરો.	૦૩
	(b)	Explain Software Troubleshooting Tools.	04
	(બ)	Software Troubleshooting Tools સમજાવો.	૦૪
	OR		
	(b)	Explain Hardware Troubleshooting Tools.	04
	(બ)	Hardware Troubleshooting Tools સમજાવો.	૦૪
	(c)	Explain Modifying Active Directory User Account.	07
	(ક)	Modifying Active Directory User Account સમજાવો.	૦૭
	OR		
	(a)	Explain DHCP Architecture.	04
	(અ)	DHCP Architecture સમજાવો.	૦૪
	(b)	Explain Types of VPN.	04
	(બ)	VPN ની પ્રકારો સમજાવો.	૦૪
	(c)	Explain Top Level Domain.	03
	(ક)	Top Level Domain સમજાવો.	૦૩
	(d)	How to create Domain Controller?	03
	(S)	Domain Controller બનાવવાની રીત લખો.	૦૩
