

(MODEL QUESTION PAPER)

TED [15]6135

Reg. No.....

(REVISION-2015)

Signature.....

**DIPLOMA EXAMINATION IN  
ENGINEERING/TECHNOLOGY/MANAGEMENT/COMMERCIAL  
PRACTICE**

**NETWORK INFRASTRUCTURE MANAGEMENT**

(Maximum marks: 100)

[Time: 3hours]

**PART - A**

(Maximum marks: 10)

Marks

I. Answer all questions in one or two sentences. Each question carries 2 marks.

1. Name any two network devices.
2. Define Network..
3. Explain the term TCP/IP.
4. Define the term DHCP.
5. Define the term TFTP.

(5x2=10)

**PART - B**

(Maximum marks: 30)

II. Answer any five of the following questions. Each question carries 6 marks.

1. Explain network infrastructure management.
2. Explain the concept of Domain and Workgroup
3. Explain system backup.
4. Describe how to add group membership.
5. Explain LAN, MAN, WAN.
6. Explain about Router IOS.
7. How will you develop troubleshooting skills?

(5x6=30)

**PART - C**

(Maximum marks: 60)

(Answer one full question from each unit. Each full question carries 15 marks)

**UNIT - I**

- III. a. Write short notes on LAN, MAN and WAN (9)  
b. Describe briefly about the following. a) Repeater b) Modem (6)

**OR**

- IV. a. Define VPN devices. Give two examples. (5)  
b. Write short notes on peer-to-peer and client-server network model with diagram. (10)

**UNIT - II**

- V. a. List the Classes of IP address with format. (7)  
b. Describe the steps for the installation of active directory. (8)

**OR**

- VI. a. State the working of DNS. (8)  
b. Explain various backup methods. (7)

**UNIT – III**

- VII. a. Explain Basic Router configuration step (8)  
b. Write description about router's IOS upgrading. (7)

**OR**

- VIII. a. Discuss the basic configuration steps of router. (8)  
b. Describe briefly IOS Message Logging. (7)

**UNIT – IV**

- IX. a. Explain network analysis and performance tuning. (7)  
b. Write short notes on route control and redistribution configuration (8)

**OR**

- X. a. Explain basics of TCP/IP Dynamic Routing protocol (8)  
b. Explain Network management fundamentals (7)