

TED (15) – 6135

Reg. No.....

(REVISION — 2015)

Signature

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE — OCTOBER, 2019

NETWORK INFRASTRUCTURE MANAGEMENT

[Time : 3 hours

(Maximum marks : 100)

PART — A

(Maximum marks : 10)

Marks

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

1. Define the term VPN.
2. Define DHCP & DNS.
3. List the different addressing modes supported by IPV4.
4. Give names of memories used in a Router.
5. List 2 types of Gateway protocols used in TCP/IP.

(5×2 = 10)

PART — B

(Maximum marks : 30)

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

1. Briefly explain Hub, Switch & Repeater.
2. Write short notes on Wi Fi & Bluetooth.
3. Compare IPV4 & IPV6.
4. Differentiate between Domain & workgroup.
5. Explain User EXEC mode in Routers.
6. Explain NMS Architecture.
7. Explain Configuring the Router's Clock.

(5×6 = 30)

PART — C

(Maximum marks : 60)

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

UNIT — I

- III (a) Explain Straight through, Cross-Over, Roll-Over cabling. 10
 (b) Write short note on Wi Max. 5

OR

- IV Write short note on : 15
 (a) Optical Fiber (b) Co axial cable (c) Modern

UNIT — II

- V (a) Explain subnet mask and its usage. 7
 (b) Explain DHCP server and its working. 8

OR

- VI (a) Explain the concept of Domain controller and Active directory. 8
 (b) Briefly explain Windows firewall & IP Security. 7

UNIT — III

- VII (a) Explain talking to router through console. 8
 (b) Explain about different memories in a Router. 7

OR

- VIII (a) Explain about Disaster Recovery in a Router. 8
 (b) Explain Message Logging of OS in Routers. 7

UNIT — IV

- IX (a) Explain TCP/IP Static Routing with its strengths & weakness. 10
 (b) Write short note on Intranetwork routing & Internetwork routing. 5

OR

- X (a) Explain different network data collection and diagnostics tools. 10
 (b) Write short note on Network Throughput. 5