

TED (15) -5151
(Revision- 2015)

A20-01023

Reg.No.....
Signature.

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE – APRIL -2020.

COMPUTER NETWORKS

(Maximum Marks : 75)

[Time : 2.15 hours]

PART–A

Marks

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

1. What is virtual LAN?
2. Write notes on multicasting.
3. List the Services of Transport Layer.
4. State the need of DNS.
5. What is remote logging?

(3x2=6)

PART - B

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

1. Describe various network topologies.
2. Explain LAN connecting Devices.
3. Write notes on DHCP.
4. Compare TCP and UDP.
5. Summarise Distance-vector Routing Algorithm.
6. Describe SCTP.
7. Demonstrate Architecture of E-mail.

[4x6 =24]

PART - C

(Answer **any of the three units** from the following. Each full question carries 15 marks)

UNIT I

III (a) State IEEE 802.11 Architecture. (8)

(b) Describe about Wired LAN. (7)

OR

IV (a) Explain TCP/IP Architecture. (8)

(b) Describe Wireless LAN. (7)

UNIT- II

V (a) Draw and Explain IP Datagram format. (7)

(b) List and analyze various congestion control mechanisms. (8)

OR

VI (a) Write notes on delay and throughput. (7)

(b) Describe IPV4 addresses. (8)

UNIT- III

VII (a) Describe various Transport Layer Protocols. (9)

(b) Explain UDP. (6)

OR

VIII (a) List and Explain various Transport Layer Services. (9)

(b) Write notes on TCP. (6)

UNIT – IV

IX (a) Describe SMTP and POP. (8)

(b) Explain HTTP. (7)

OR

X (a) Describe Domain Name System. (8)

(b) Write the working of FTP. (7)
