

TED (15) 6135
(Revision-2015)

A20-03085

Reg.No.....
Signature.....

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

NETWORK INFRASTRUCTURE MANAGEMENT

[Maximum marks: 75]

(Time: 2.15 Hours)

PART – A

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

- I. (1). Define Computer Network.
(2). What is the use of Subnet Mask?
(3). List classes of IP address.
(4). What is the use of Remote Desktop assistance?
(5). What is Router IOS? (3 x 2 = 6)

PART – B

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

- II. (1). Differentiate between Hub and Switch.
(2). Explain the steps for upgrading router IOS.
(3). Discuss about router disaster recovery.
(4). Explain about Bluetooth Technology.
(5). Explain Domain Name System.
(6). Explain about Wi-Fi networks.
(7). Explain WiMax Technology. (4 x 6= 24)

PART – C

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

UNIT –I

- III. (a). Explain different types of crimping method in Twisted Pair cable. (7)
(b). Explain the terms.
(i). Repeaters. (ii). VPN devices. (iii). Modem. (iv). Router. (8)

OR

- IV. (a). Explain the working of Fibre optic cable. (7)
(b). Explain about commonly used networking devices. (8)

UNIT-II

- V. (a). Explain the concept of DNS and DHCP Server. (7)
(b). Explain IP addressing and differentiate between IPV4 and IPV6. (8)

OR

- VI. (a). Explain about domain controllers. (7)
(b). Explain Firewall and its types. (8)

UNIT-III

- VII. (a). Explain about different types of memory on routers. (9)
(b). State the steps in configuring router clock. (6)

OR

- VIII. (a). Describe disaster recovery in routers. (8)
(b). Discuss the basic configuration steps of router. (7)

UNIT-IV

- IX. (a). Explain TCP/IP Static Routing. (7)
(b). Explain TCP/IP Interior Gateway Protocols. (8)

OR

- X. (a). Explain Network Analysis and Performance Turning. (7)
(b). Explain Network Management Fundamentals. (8)