TED (15) – 6135

(REVISION — 2015)

Reg. No. ..................................................

Signature ..................................................

## DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE — OCTOBER, 2018

### 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.   State the functions of MODEM.

2.   Explain the term IOS.

3.   Define Network.

4.   List any two router memory.

5.   Explain the term EGP.                                                                 (5×2 = 10)

## PART — B

(Maximum marks : 30)

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

1.   Explain about Bluetooth.

2.   Explain system backup.

3.   State the steps involved in upgrading router IOS.

4.   Define encryption. Give two examples.

5.   Describe redistributing routing protocol.

6.   Explain Router hardware.

7.   Explain network management fundamentals.                                     (5×6 = 30)

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[P.T.O.

Marks

PART — C

(Maximum marks : 60)

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

UNIT — I

III  (a)  Explain the working of Fibre optic cable.                                      7

  (b)  Explain various crimping methods for twisted pair cables.        8

OR

IV  (a)  Explain about Wi-Fi networks.                                                  7

  (b)  Explain the working of switch.                                               8

UNIT — II

V  (a)  Explain the remote desktop.                                                  7

  (b)  State about Firewall and its types.                                         8

OR

VI  (a)  Explain domain controller.                                                   7

  (b)  Describe about DHCP.                                                          8

UNIT — III

VII  (a)  Describe disaster recovery in router.                                       7

  (b)  State the steps in configuring router clock.                          8

OR

VIII  (a)  Explain trap logging and buffer logging.                               10

  (b)  Explain router IOS.                                                             5

UNIT — IV

IX  Explain :

  (i)  Routing         (ii)  IGP            (iii)  Explain route control      15

OR

X  (a)  Explain network analysis and performance tuning.                 7

  (b)  Differentiate Static and Dynamic Routing.                             8

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