TED (10) – 4078

(REVISION — 2010)

Reg. No ....

Signature ....

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

NETWORK PROGRAMMING

[*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 need of Network Programming.

2. Write the IP range of class B network.

3. State the use of FileDialog.

4. Define URL.

5. What is rmic ?

(5×2 = 10)

PART — B

(Maximum marks : 30)

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

1. List the differences between TCP and UDP.

2. Write the steps for using scroll pane in an applet in Swing.

3. Write different TextField constructors in Swing.

4. Present the concepts of a socket in client server model.

5. Write the different parts of a URL string.

6. Write a note on RMI registry.

7. List different RMI packages.

(5×6 = 30)

[307]

[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)   List the types of network interface and explain.   9

       (b)   Write the features of distributed system.   6

Or

IV   (a)   Explain the working of TCP.   9

       (b)   Write the UDP datagram format and explain.   6

Unit — II

V   (a)   Write different types of buttons available in Swing.   9

       (b)   List different methods associated with FrameWindow in AWT and give examples.   6

Or

VI   (a)   Demonstrate the working of CheckBox with sample program segment.   8

       (b)   What is the use of List class in Java ? List any four methods for handling List.   7

Unit — III

VII   (a)   Write the socket classes in Java for communication using TCP and list its methods.   7

       (b)   Write various URL constructors.   8

Or

VIII   (a)   Explain different URL methods.   10

       (b)   Differentiate between port and socket.   5

Unit — IV

IX   (a)   Explain about remote classes and interfaces in RMI.   12

       (b)   Write the use of object registry in RMI.   3

Or

X   Explain the implementation of client server model using RMI with an example program.   15