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(REVISION — 2015)

Reg. No.....

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

**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. Define a socket.
2. What is an Applet ?
3. What is Java Swing ?
4. What is RMI ?
5. Define a package.

(5×2 = 10)

**PART — B**

(Maximum marks : 30)

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

1. Explain method overriding.
2. List any four types of exception.
3. Differentiate absolute and relative URL.
4. Explain stub and skeleton in RMI.
5. Explain DatagramSocket and DatagramPacket.
6. Explain about multiple catch statements.
7. Describe the features of Java.

(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 the concept of method overloading with the help of an example. 8  
 (b) Describe the steps to create a package. 7

OR

- IV (a) Illustrate constructors with the help of an example. 8  
 (b) Explain visibility controls in Java. 7

## UNIT — II

- V (a) Describe how reading/writing files is done in Java. 8  
 (b) Explain the life cycle of an Applet. 7

OR

- VI (a) Explain stream classes used in Java. 9  
 (b) State any four swing components in Java and its use. 6

## UNIT — III

- VII (a) Write the components of URL. State various URL constructors and its syntax. 9  
 (b) List two types of sockets. Explain each. 6

OR

- VIII (a) Discuss openStream and openConnection methods of URL class. 8  
 (b) Explain how to support multiple clients in Java. 7

## UNIT — IV

- IX (a) Write an RMI program to subtract Number 2 from Number 1. 8  
 (b) Describe the procedure to start server in Java. 7

OR

- X (a) Discuss security in Java. 8  
 (b) Discuss the Remote class and interface in Java. 7