DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE, NOVEMBER – 2023

NETWORK PROGRAMMING

[Maximum Marks: **100**]   [Time: **3** Hours]

PART-A
[Maximum Marks: **10**]

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

1. Define JDK.

2. Define interface.

3. Compare byte stream and character stream.

4. Define socket.

5. State the concept of RMI.   (5 x 2 = 10)

PART-B
[Maximum Marks: **30**]

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

1. Compare Method Overloading and Method Overriding.

2. Explain different features of Java.

3. Define constructor and their types?

4. What are the types of Exception Handling methods?

5. Short notes on AWT.

6. What are the components of URL?

7. Draw the architecture of RMI.   (5 x 6 = 30)

PART-C

[Maximum Marks: **60**]
(Answer *one* full question from each Unit. Each full question carries **15** marks)

UNIT – I

III.   a. Define inheritance in java and their types.   (10)

        b. What are the access modifiers in java?   (5)

<div align="center">**OR**</div>

IV.   Explain different control statements in Java.   (15)

<div align="center">**UNIT – II**</div>

V.   a. Explain the life cycle of Thread.   (10)

      b. Short notes on methods in Thread class.   (5)

<div align="center">**OR**</div>

VI.   a. Explain different layout in Java.   (10)

      b. Short notes on graphics methods in java.   (5)

<div align="center">**UNIT- III**</div>

VII.   a. Explain types of Socket.   (10)

      b. Define port and port numbers.   (5)

<div align="center">**OR**</div>

VIII. a. Explain URL constructor and various URL getter methods.   (9)

      b. Write notes on absolute URL and relative URL.   (6)

<div align="center">**UNIT - IV**</div>

IX.   a. Write an RMI program to add two numbers.   (8)

      b. Write the steps to execute any RMI program.   (7)

<div align="center">**OR**</div>

X.   a. Explain the stub and skeleton in RMI.   (8)

      b. Describe the server side procedure in RMI.   (7)

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