B040220

Reg. No. [ ][ ][ ][ ][ ][ ][ ][ ]

II Semester B.C.A. 6 (NEP) Degree Examination, August/September - 2024
OBJECT ORIENTED CONCEPTS USING JAVA PROGRAMMING
(Regular/Repeater)

Time : 2 Hours   Maximum Marks : 60

Instructions to Candidates :
              Answer the questions as per the instructions given.

Answer any **Six** questions.   (6×2=12)

1. a) Define variables in java.

    b) Define Method overloading.

    c) Define polymorphism.

    d) Define packages in Java.

    e) Define Event. Mention any two types of Events.

    f) Define Border Layout.

    g) What is Exception Handling?

    h) What is byte stream?

Answer any **Three** questions.   (3×4=12)

2. a) Briefly explain oops concepts in java.

    b) Define operator. Explain Arithmetic operators with an example.

    c) Explain any two looping statements in java.

    d) Write a java program to Print Prime Numbers between 1 to 10.

Answer any **Three** questions.   (3×4=12)

3. a) Explain super and sub class in java with example.

    b) Define method overriding. Write a program to demonstrate method overriding.

    c) Explain how to importing user defined packages.

    d) Explain interfaces in java with example.

[P.T.O.

Answer any **Three** questions. (3×4=12)

4. a) Define Event Handling in java. Explain any two mouse Events in java.
   b) Explain following GUI components.
      i)   Buttons   ii)   Text fields
   c) Explain Grid Layout with example.
   d) Write a Java program which create and displays a message on the window.

Answer any **Three** questions. (3×4=12)

5. a) Define Thread. Explain Thread life cycle with diagram.
   b) Explain Exception Handling mechanism with try catch-finally.
   c) Explain Java I/O packages.
   d) Explain Byte and Character Stream in java.