1778042

Reg. No. ☐☐☐☐☐☐☐

47752/B0220

II Semester B.C.A. 6. (NEP) Degree Examination, October - 2023

OBJECT ORIENTED CONCEPTS USING JAVA PROGRAMMING

(Regular /Repeater)

Time : 2 Hours

Maximum Marks : 60

Instruction to Candidates:

Answer the questions as per the instructions given.

1. Answer any Six questions.

(6 × 2 = 12)

a) Define class and object.

b) List the commands used for compilation and execution of Java Program.

c) Define polymorphism in Java.

d) Define Method overriding.

e) Define Event.

f) What do you mean by Grid Layout.

g) Define Multithreading in Java.

h) Define stream classes.

2. Answer any Three questions.

(3 × 4 =12)

a) Define control structure. Explain any two looping statements in java.

b) What is method overloading? Briefly explain with appropriate example.

c) Explain constructors in Java.

d) Write a Java program to find the factorial of given number.

3. Answer any Three questions.

(3 × 4 = 12)

a) Define Inheritance. Explain the types of inheritance.

b) Explain how to import the user defined packages in java.

c) Define and explain Dynamic Binding in Java.

d) Write a Java program to demonstrate multiple inheritance and use of Implementing Interfaces.

P.T.O.

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

   a)   Explain any 2 mouse and key Events in Java

   b)   Write a java program to draw several shapes in the current window.

   c)   Explain following GUI compoents

      i)   Check Boxes

      ii)   Radio Buttons.

   d)   Define Layout Managers. Briefly explain border layout.

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

   a)   Explain exception handling in Java.

   b)   Explain in-detail file reader class and file writer classes in Java.

   c)   Explain the Thread life cycle with neat diagram.

   d)   Explain how to create a thread by extending a thread class.