Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐                    Total No. of Pages : 02

**Total No. of Questions : 07**

**BCA (Sem.–5)**
# PROGRAMMING IN JAVA
**Subject Code : UGCA-1932**
**M.Code : 90315**
**Date of Examination: 05-12-2024**

**Time : 3 Hrs.**                                                            **Max. Marks : 60**

**INSTRUCTIONS TO CANDIDATES :**
 1.   **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
 2.   **SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.**

**SECTION-A**

   1.   **Write briefly:**

      a)  What is the difference between a class and an object?

      b)  How arrays are declared in a Java program?

      c)  What are parameterized constructors?

      d)  What are overriding methods?

      e)  What is JVM?

      f)  What are Zageed Arrays?

      g)  What is Inheritance? What are the different forms of inheritance in java?

      h)  What is the use of the Final Variable?

      i)  Write down the syntax to create class and object

      j)  What are Random Access Files?

## SECTION-B

2. Discuss the salient features of Java programming language. How Java is different from C and C++?

3. Discuss various loop statements and branching statements available in Java. Show their syntax.

4. Create an applet that receives three numeric values as input from the user and then displays the largest of these on the screen. Write a sample HTML page to include this applet.

5. What is Java I/O handling? Write about data IP and data O/P streams.

6. How can we implement multiple inheritances in java? Explain with an example.

7. a) What are the various advantages of using Package in Java?

   b) Differentiate between Applet and Applications

**NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.**