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

Total No. of Questions : 07

BCA (Sem.–5)
PROGRAMMING IN JAVA
Subject Code : UGCA1932
M.Code : 90315
Date of Examination : 18-06-2024

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) Difference between String and String Buffer class

   b) What are threads in java?

   c) Difference between throw and throws clause.

   d) What is use of final keyword?

   e) Define run time Exception.

   f) Method overriding

   g) Difference between application and applet.

   h) What is difference between interface and abstract class?

   i) What are Packages?

   j) Difference between while and dowhile loop.

SECTION-B

2. Difference between Java and C++. Highlight strength of java programming language.

3. a) Explain file input and output stream with an example.

    b) What is thread? Explain inter thread communication with an example.

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

5. What do you understand by Exception Handling? Explain Java's mechanism to handle exceptions. Write an example code to showcase use of try and catch.

6. What do you understand by the concept of Inheritance? How multiple inheritance is implemented in Java? Give simple code to explain.

7. Explain life cycle of Applet with an example.

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.