

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 : 22-06-2023

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 are the benefits of OOP?
 - b) How Java differs from C++?
 - c) Write about Window Listener Event Handling.
 - d) How web browsers are used in Java?
 - e) What is JVM?
 - f) What are Jagged Arrays?
 - g) What is a Package? How Packages are useful in Java?
 - h) Define polymorphism with an example.
 - i) What is an Abstract class?
 - j) How Java Byte Code makes it independent?

SECTION-B

2. Explain the following :

- a) Constructors and their syntax
 - b) Methods Overloading
3. Discuss various loop statements and branching statements available in Java. Show their syntax.
 4. Discuss various operators and expressions available in Java and write their syntax.
 5. What is Java I/O handling? Write about data I/P and data O/P streams.
 6. Create a Date class in Java having day, month and year data members. Create constructors for initializing data members, functions for validating date, getting values of data members and displaying the date.
 7. Explain with examples, the various graphics methods supported by AWT. How color of an object can be changed?

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.