Roll No. ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜ **Total No. of Pages : 02**

Total No. of Questions : 07

BCA   (Sem.–5)
PROGRAMMING IN JAVA
Subject Code : BSBC-502
M.Code : 70629
Date of Examination : 14-12-22

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

INSTRUCTION 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 a student has to attempt any FOUR questions.**

SECTION-A

1. **Answer briefly :**

   a) What are benefits of OOP?

   b) Give the difference between Java and C++.

   c) Define Java statements.

   d) Write about-data types in Java?.

   e) What are string functions in Java?

   f) What are abstract methods?

   g) What is extended interfaces?

   h) Discuss overriding methods.

   i) What is error and exception handling in Java?

   j) Write about mouse Listener Event Handling.

SECTION-B

2. Explain following :

   a) Variables and Constants in Java

   b) Operators in Java.

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

4. How applet are created? Discuss how they are executed?.

5. What is need for graphics programming? Give introduction of Rectangle in Graphics class.

6. Explain the use of Java AWT package. Discuss its layouts.

7. Explain Java I/O handling. Discuss file input stream and file output streams.

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