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

Total No. of Questions : 07

B.Sc.(IT) (2015 & Onward)   (Sem.–5)
# PROGRAMMING IN JAVA
Subject Code : BSIT-502
M.Code : 74376

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.   **Answer briefly :**

   a. Define Java Virtual Machine.

   b. What are command line arguments?

   c. Differentiate between while and do-while.

   d. Write any two uses of constructors.

   e. What is wrapper class?

   f. Define interface.

   g. Discuss briefly about Naming Convention while creating a Package.

   h. Differentiate between Error and Exception.

   i. What are Applets?

   j. What is ActionListener?

SECTION-B

Q2 a. What are Java Tokens? Discuss the basic structure of a Java program.

    b. Write a Java program to check whether a number is Prime or not. Also explain its output.

Q3 a. What is meant by method overloading? Explain with the help of suitable example.

    b. Differentiate between Array and String. Also write a program for simple inheritance.

Q4 Explain the following by writing an appropriate java code :

    a. Creating a Package.

    b. Adding a Class to a Package.

Q5 a. State and explain the life cycle of an Applet.

    b. What is meant by Graphics programming? Explain.

Q6 a. Demonstrate the use of try, catch and finally block.

    b. Explain the application of AWT Package.

Q7 a. Discuss various mouse events along with their respective listeners.

    b. Demonstrate the use of FilelnputStream and FileOutputStream by writing a java code snippet.

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.