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Total No. of Questions: 07

Total No. of Pages: 02

BCA (Sem. 5)
PROGRAMMING IN JAVA
Subject Code: BSBC-502
Paper ID: B1155

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 an object? How we create it?
- b) What is Java Virtual Machine?
- c) What are various types of arrays? Give syntax of creating each of them.
- d) Write steps to create a package.
- e) Name various branching statements of java.
- f) What are wrapper classes?
- g) Demonstrate how parameters are passed to an Applet.
- h) Use of control loops in Applets.
- i) Why Exception handling is done?
- j) What is Java AWT?

SECTION B

2. Explain the difference of various looping statements with the help of appropriate examples. What are labeled loops?

3. What is method overloading? How it is different from method overriding? Explain with an example.
4. Write a program to implement Multiple Inheritance using Interfaces. Also explain the process.
5. Why Exception handling is required? How it is done?
6. Explain Event delegation. How Action listener class is implemented?
7. Write a program to demonstrate the use of File & data Input/ Output stream.