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Roll No.							Total No. of Pages: 0
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BCA (2011 & Onward) (Sem.-5)
PROGRAMMING IN JAVA
Subject Code: BSBC-502
Paper ID: [B1155]

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

l. Write short notes on:

- a) What are various advantages of Vectors over Arrays?
- b) Explain Destructor.
- c) What are Web Browsers?
- d) Explain JVM.
- e) What are Byte Codes?
- f) What are Random Access Files?
- g) What is the use of Final Variable?
- h) What are Exceptions?
- i) What are different types of errors?
- j) Write down the syntax to create class and object.

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SECTION-B

- 2. Differentiate between C, C++ and Java.
- 3. a) Write various steps to develop compile and run Java program.
 - b) Write a note on Random Access File.
- 4. How can we implement multiple inheritance in java? Explain with example.
- 5. a) What are various advantages of using Package in java?
 - b) Differentiate between Applet and Applications.
- 6. What are constructors? Write down its various features and different types. Also write example for Parameterized constructor.
- 7. What are various techniques to handle Exceptions in Java? Explain with example.

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