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Total No. of Questions: 07

BCA (2013 & Onward) (Sem.-5)
PROGRAMMING IN JAVA
Subject Code: BSBC-502

M.Code: 70629

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**

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## 1. Answer briefly:

- a) What are benefits of OOP?
- b) How Java differs from C++?
- c) Define Java tokens.
- d) Write about data types in Java.
- e) What are string functions in Java?
- f) How would you access System package?
- g) Write the importance of interfaces.
- h) Differentiate Applet with Applications.
- i) Give introduction of Rectangle in Graphics class.
- j) Write about Window Listener Event Handling.

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## **SECTION-B**

- 2. Explain following:
  - a) Constructers and its syntax
  - b) Methods Overloading
- 3. Discuss various loop statements and branching statements available in Java? Show their syntax.
- 4. How do we create a Java applet? Discuss its life cycle showing passing parameters to Applets.
- 5. What is error and exception handling in Java? How would you handle the exception using *Try* and *Catch*?
- 6. Explain Java AWT basics. Explain the syntax of *TextArea* layout in AWT package.
- 7. What are the inbuilt streams available in Java I/O package? Discuss data I/P and O/P 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.

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