

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 07

BCA (2011 &amp; Onward) (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) List Characteristics of OOP.
  - B) What is Java Virtual Machine?
  - C) What are Jagged arrays?
  - D) Naming conventions of a package.
  - E) Name various branching statements of java.
  - F) What are wrapper classes?
  - G) What is Visibility control?
  - H) Use of control loops in Applets.
  - I) Why Exception handling is done?
  - J) Usage of Java AWT.
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## SECTION-B

2. How Object Oriented Paradigm is different from structural programming? Also discuss the benefits and applications of OOP.
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. How Applets differ from applications? Explain Applet life cycle as well.
6. Explain various components of Event handling.
7. Write a program to demonstrate the use of File & data Input/ Output stream.

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