Visit **www.brpaper.com** for downloading previous years question papers of 10th and 12th (PSEB and CBSE), B-Tech, Diploma, BBA, BCA, MBA, MCA, M-Tech, PGDCA, B-Com, BSC-IT, MSC-IT.

Roll No.					Total No. of Pages : 0

Total No. of Questions: 07

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

1. Write briefly:

- a) Define Polymorphism. How is it implemented in Java?
- b) Briefly discuss the history of Java.
- c) What is Java Virtual Machine?
- d) What is a constructor? What is the use of constructors?
- e) What is the use of Final?
- f) What are wrapper classes?
- g) What is an Interface in Java?
- h) What is a Package? How is a package created in Java?
- i) What are abstract classes?
- j) What do you mean by method overloading?

1 M-70629 (S3)-2724

Visit **www.brpaper.com** for downloading previous years question papers of 10th and 12th (PSEB and CBSE), B-Tech, Diploma, BBA, BCA, MBA, MCA, M-Tech, PGDCA, B-Com, BSC-IT, MSC-IT.

SECTION-B

- 2. What is Object-Oriented Programming? Discuss the benefits of OOP.
- 3. What are the various data types available in Java? Explain.
- 4. What is Inheritance? What are the different forms of inheritance in Java? Explain with suitable examples.
- 5. What is an exception? How is it different from an error? Is it possible to include your own exception in a program? Explain with suitable code for the purpose. Also discuss the use of finally block.
- 6. What do you mean by a Java applet? How is an applet different from an application? Discuss the life cycle of an applet.
- 7. Explain with examples the various graphics methods supported by AWT.

2 | M-70629 (S3)-2724