

Roll No.

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Total No. of Pages : 02

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**I. 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.

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.