

Roll No.

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

1. **Write briefly :**
 - a) Define polymorphism.
 - b) Java is platform-independent. Justify.
 - c) Describe various JDK tools in brief.
 - d) What is the purpose of final keyword?
 - e) What is the task of main() method in a Java program?
 - f) What are separators? List various separators used in Java along with their purpose.
 - g) What is appletviewer used for?
 - h) Conditional operator in Java.
 - i) Differentiate between while and do-while.
 - j) What is the use of implements keyword?

SECTION-B

2. What are the various primitive data types available in Java? Also specify memory requirements and range of each.
3. What are classes and objects? How are classes and objects created in Java? Explain with syntax and example.
4. What are packages? How are packages created and implemented in Java? Explain in detail with syntax and example.
5. What are applets? How do they differ from application programs? Discuss the steps involved in creating and running an applet.
6. Explain the exception handling mechanism of Java. Name a few exception handling classes.
7. What is AWT? Briefly explain various AWT controls available in Java.