

January 2016

**Bachelor of Computer Application (BCA) Examination
V Semester**

Introduction To Java

Time : 3 Hours]

[Max. Marks : 50

Note : Attempt any two parts from each questions. Each part of a question carries 5 marks. Each question carries equal marks.

1. (a) What are different applications areas of Java? Explain with certain example.
(b) How the Garbage collection can be done in Java? Explain with the help of a programming example.
(c) What is meant by naming convention? How is it followed by Java? Explain.
2. (a) Explain data type conversion and casting feature of Java with an example.
(b) Write a Java program to determine maximum from given 100 numbers.
(c) Explain the significance of String Class, Compare it with String Buffer.
3. (a) Write a Java class table by taking height, width and length as the different parameter Include some constructors in that class.
(b) Define with example.
(i) Instance (ii) Method.
(c) Explain the different access modifiers available in Java. Which is the default access modifier? Explain.
4. (a) Write a Java program to implement inheritance by taking two classes.
(b) What is meant by Exception Handling? Explain.
(c) Explain multithreading by enlisting some examples.
5. (a) Enlist the packages available in Java with some examples of classes of the respective package. Which is default package available? Explain.
(b) What is meant by method overriding? Explain.
(c) Why Java is compiled as well as interpreted language? Explain.

