

Examination May-2014**BCA****PROGRAMMING IN JAVA****SUBJECT CODE: BSBC – 502****Paper ID- B1155****Time: 03 hours****Maximum Marks : 60****Instructions to Candidates:**

- 1. Section – A is compulsory.**
- 2. Attempt any Four questions from Section-B.**

Section – A**Q.1)****(10 X 2 = 20)**

- a) What is JVM?
- b) Explain the meaning of the term inheritance.
- c) How are variables declared in Java? Give syntax and example.
- d) What is the purpose of static keyword?
- e) What is the task of main() method in a Java program?
- f) What are wrapper classes in Java?
- g) Describe <APPLET> tag along with its attributes.
- h) What is Unicode?
- i) Briefly describe the purpose of try and catch.
- j) What is the use of extends keyword in Java?

Section – B**(10 X 4 = 40)**

- Q.2** What are the various primitive data types available in Java? Also specify memory requirements and range of each.
- Q.3** What are constructors? What are their features? Write a program in support of your answer.
- Q.4** What are interfaces? How are interfaces created and implemented in Java? How is an interface different from a class?
- Q.5** What are applets? How do they differ from application programs? Discuss the steps involved in creating and running an applet.
- Q.6** What is an exception? Name a few exception handling classes available in Java. How are exceptions handled in Java?
- Q.7** Discuss the event handling mechanism in Java.