V Semester B.C.A. Degree Examination, Nov./Dec. 2016
(CBCS) (2016-17 and Onwards)
COMPUTER SCIENCE
BCA 504 : Java Programming

Time : 3 Hours   Max. Marks : 70

Instruction : Answer all Sections.

SECTION – A

I.   Answer **any ten** questions :   **(10×2=20)**

1) Why Java is simple ? Mention any two reasons.

2) What are string literals ?

3) Give the general form of 'Switch' statement.

4) What is instance variable ? Give an example.

5) Write a few points about 'default constructor'.

6) What does 'static' keyword do in a class ?

7) What is Java API ?

8) What is Exception handling ?

9) What is the need for 'applet viewer' ?

10) What is error ? Compare with exception.

11) What is the purpose of 'init()' method in Applet ?

12) What is the use of canvas in AWT ?

SECTION – B

II.   Answer **any five** questions :   **(5×10=50)**

13) a) Explain the line "public static void main (string args[])".   4

    b) Explain the History and evolution of Java.   6

14) a) How to create objects ? What happens when you create objects ?   4

    b) Demonstrate 'this' keyword with Simple Java Program.   6

15) a) Differentiate component and container class.   4

     b) Give the general form of interface with one example.   6

16) a) Explain bitwise and logical operators with examples.   4

     b) Illustrate array declaration and accessing data elements using an example.   6

17) a) Differentiate constructors and methods.   4

     b) Give the steps to create and use a Java package with an example.   6

18) a) Explain the life cycle of a Thread.   4

     b) Explain the steps of executing an Applet using a simple code.   6

19) a) Explain try .... catch with an example.   4

     b) Write a short note on Graphics Class.   6

20) a) Write a program to sort a list of elements in ascending order.   4

     b) Give the classification on "java.io.IoException". Explain IoException.   6