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**

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