

**BCA-16**

December - Examination 2015

**BCA III Year Examination****Programming in JAVA****Paper - BCA-16****Time : 3 Hours ]****[ Max. Marks :- 100**

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**Note:** The question paper is divided into three sections A, B and C. Write answers as per given instructions.

**Section - A**

10 x 2 = 20

(Very Short Answer Questions)

**Note:** Answer all questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to 30 words. Each question carries 2 marks.

- 1) (i) What is Escape sequences?
- (ii) What is variable?
- (iii) How you declare a constant variable in Java?
- (iv) What is relational operators?
- (v) What is package?
- (vi) What is the use of continue statement in java?
- (vii) What is class scope

- (viii) What is default constructor?
- (ix) Write the syntax of try ...catch statement?
- (x) What do you mean by Exception?

**Section - B**

4 x 10 = 40

(Short Answer Questions)

**Note:** Answer any four questions. Each answer should not exceed 200 words. Each question carries 10 marks.

- 2) What are the advantages of Java Swing over Java applet?
- 3) Describe the difference between process based and thread based multitasking.
- 4) Discuss the characteristics of Object Oriented Programming.
- 5) What are wrapper classes? Explain in detail.
- 6) Write a program in Java programming language showing simple input output.
- 7) What is Garbage collection? Explain with example.
- 8) Explain briefly the life cycle of servlet.
- 9) Discuss the use of final variable with example.

**Section - C**

2 x 20 = 40

(Long Answer Questions)

**Note:** Answer any two questions. You have to delimit your each answer maximum upto 500 words. Each question carries 20 marks.

- 10) Why java is called machine independent language? Explain the functionality of JVM.
  - 11) What do you understand by order of precedence? Illustrate with suitable example, order of precedence in Java?
  - 12) Set up an array to hold the following values, and in this order: 23, 6, 40, 36, 12, 4. Also write a program in Java to find largest among the given values.
  - 13) What is Overloading? Compare Overloading with Overriding. Explain with example.
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