

BCA-16

December - Examination 2016

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

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

Section - A**10 × 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 upto 30 words. Each question carries 2 marks.

- 1) (i) Define class and object.
- (ii) Define inheritance.
- (iii) Explain Array instantiation with an example.
- (iv) What is scope of class?
- (v) What is the benefit of importing a package?
- (vi) What is final variable?
- (vii) What is the use of Nested Class?

- (viii) What is superclass?
- (ix) What is multithreading?
- (x) What is Applet?

Section - B**4 × 10 = 40**

(Short Answer Questions)

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

- 2) Write short note on Data-types of Java.
- 3) Define Decision Making Statement use in Java Programming.
- 4) How do you write an infinite loop using the for statement? Explain with example.
- 5) Set up an array to hold the following values, and in this order: 23, 6, 40, 36, 12, 4. Using the same array, have your program print out only the odd numbers.
- 6) What is the difference Constructor and Method?
- 7) Explain Data Encapsulation with Example.
- 8) Describe the facilities provided by the System class.
- 9) Explain the working of garbage collection in Java.

Section - C**2 × 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) Write a program to implement mouse clicked method using MouseAdapter Class.
- 11) Explain construction overloading with an example.
- 12) Explain File Navigation and I/O with an example.
- 13) Write a program to use multi dimension array and display output like:
Mr. Smith
Ms. Jones
