

**BCA-16**  
**December – Examination 2020**  
**BCA (Part III) Examination**  
**Programming in Java**  
**Paper : BCA-16**

*Time : 2 Hours ]*

*[ Maximum Marks : 70*

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*Note :-* The question paper is divided into two Sections A and B. Write answers as per the given instructions.

**Section-A**

**7×2=14**

**(Very Short Answer Type 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) Explain JVM in brief.
- (ii) Explain Wrapper classes in Java.

- (iii) What is a final class ? Explain.
- (iv) How 'compile once and run anywhere' is implemented in Java ? Explain.
- (v) What are Applets ? Explain.
- (vi) What is Socialization in multi-threading ?
- (vii) Explain Garbage Collection in Java.

**Section-B** **4×14=56**

**(Short Answer Type Questions)**

*Note* :- Answer any *four* questions. Answer should not exceed **200** words. Each question carries 14 marks.

- 2. Describe the significance of using final and super keyword in Java.
- 3. How can be implement multiple inheritance in Java ? Explain.
- 4. Explain the words final, finally and finalize.
- 5. What is exception handling ? How multiple catch blocks can be used in Java ?
- 6. What are the different conditional statements can be used in Java ? Explain.

- 7. What is Multi-threading ? Explain the life-cycle of thread in Java.
- 8. How can a class be inherited in Java ? Explain the process of defining multilevel inheritance.
- 9. What is an Applet ? Explain the life-cycle.