

11. Explain the features of JAVA with examples.
12. What is the role of event listeners in event handling? Explain the various Java event listeners with suitable examples.
13. What is Exception Handling in JAVA ? Explain the various types of exception with suitable example.

## **BCA-16**

**December – Examination 2023**  
**BCA (Part III) Examination**  
**Programming in Java**  
**Paper : BCA-16**

*Time : 3 Hours ]*

*[ Maximum Marks : 70*

*Note :-* The question paper is divided into three Sections A, B and C. 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 up to **30** words. Each question carries 2 marks.

1. (i) What is use of “super” keyword ? Give an example.

- (ii) List the object of oriented programming.
- (iii) What is JRE ?
- (iv) What are the merits of swing components over AWT ?
- (v) What is nested classes ? Give an example.
- (vi) What is the importance of abstract class ?
- (vii) Write the syntax of prefix and postfix increment operator and write the difference between them.

**Section–B** **4×7=28**

**(Short Answer Type Questions)**

*Note* :- Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 7 marks.

- 2. What is the difference between AWT and Swings ? Explain with example.
- 3. Describe the various looping statements in Java with suitable examples.

- 4. Distinguish between Method Overloading and Method Overriding. Explain with example.
- 5. Write a java program to find the factorial of a given number.
- 6. Explain the difference between break and continue statements with suitable example.
- 7. What are the primitive data types in Java ? Write about type conversions.
- 8. Describe the facilities provided by the System Class. Explain with suitable examples.
- 9. What is a Constructor ? What is its requirement in Programming ? Explain with program.

**Section–C** **2×14=28**

**(Long Answer Type Questions)**

*Note* :- Answer any *two* questions. You have to delimit your each answer maximum up to **500** words. Each question carries 14 marks.

- 10. What are JAVA Multithreading ? Explain the lifecycle of thread in java. How to create user defined threads ? Explain with examples.