



**PRESIDENCY COLLEGE**

(AUTONOMOUS)

AFFILIATED TO BENGALURU CITY UNIVERSITY, APPROVED BY ACTE, DELHI & RECOGNISED BY THE GOVT. OF KARNATAKA  
RE-ACCREDITED BY NAAC WITH 'A+' GRADE

21C205.2C

REG NO:

--	--	--	--	--	--	--	--

**END TERM EXAMINATION JUNE 2023**  
**BCA - II SEMESTER**  
**GC205.2C: OBJECT ORIENTED PROGRAMMING USING JAVA**

**Duration: 2 Hours**

**Max Marks: 60**

**Instruction: Answers should be written in English only.**

**PART-A**

Answer any **EIGHT** questions. Each question carries **TWO** marks.

**(8 X 2 = 16)**

1. What is the use of 'this' keyword and 'super' keyword?
2. Java is platform independent language. Justify.
3. What is a constructor in Java? List the types of constructors in java.
4. What is Finalization in Java?
5. Define classes and objects.
6. Define streams. Give the classification of streams.
7. What is an event? State any four event classes.
8. What is abstract class?
9. Differentiate between 'throw' and 'throws' keyword.
10. What is a JavaBean?

**PART-B**

Answer any **FOUR** questions. Each question carries **SIX** marks.

**(4 X 6 = 24)**

1. Explain the different visibility modifiers in Java.
2. What is a package? How are packages created and accessed in java?
3. Define inheritance. Explain the different types of inheritance.
4. Write a program to demonstrate any two mouse events.
5. Explain the life cycle of a thread with a neat diagram.
6. Write a program that catches negative exception (user defined exception). This is caused when a negative number is entered by a user.

### PART-C

Answer any **TWO** questions. Each question carries **TEN** marks.

(2 X 10 = 20)

1. a) List out the differences between C++ and Java.  
b) Explain method overloading in Java with example. (5+5)
2. a) What are interfaces? Illustrate how interfaces can be used for implementing multiple inheritance.  
b) Write a note on runtime polymorphism. (5+5)
3. Explain different GUI components.
4. a) Explain the life cycle of an applet with neat diagram.  
b) Define exception. Explain try-catch and finally block with an example. (5+5)

\*\*\*\*\*