

**ANNAI VIOLET ARTS AND SCIENCE COLLEGE**  
**DEPARTMENT OF COMPUTER SCIENCE**

**CONTINUOUS INTERNAL ASSESSMENT – I (EVEN SEM.)**  
**SUBJECT : JAVA AND DATA STRUCTURES**

**Class : II B.Sc. Computer Science**  
**Max.Marks : 50**

**Date : 05.09.2022-FN**  
**Sub. Code: SE23A**

**PART A ( $5 \times 2 = 10$  Marks)**  
**Answer any FIVE questions**

1. What is class? Define its structure.
2. Define conditional operator.
3. Define encapsulation.
4. Write a java program to print “Hello World”.
5. What is encapsulation?
6. Define : Static
7. Differentiate array and class.

**PART B – ( $2 \times 5 = 10$  Marks)**  
**Answer any TWO questions**

8. Briefly explain control statements in java
9. What is method overloading? Explain it.
10. Explain arrays and its types with suitable example

**PART C – ( $3 \times 10 = 30$  Marks)**  
**Answer ALL questions**

11. Explain different type of operators used in java
12. Explain constructor with suitable examples
13. Explain the following
  - (a) Typecasting and Conversion with example
  - (b) OOPs Concepts in java

**Prepared by**  
Mrs. R. Catherin Ida Shylu  
Asst.Prof.

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**PART A ( $5 \times 2 = 10$  Marks)**  
**Answer any FIVE questions**

14. What is class? Define its structure.
15. Define conditional operator.
16. Define encapsulation.
17. Write a java program to print “Hello World”.
18. What is encapsulation?
19. Define : Static
20. Differentiate array and class.

**PART B – ( $2 \times 5 = 10$  Marks)**  
**Answer any TWO questions**

21. Briefly explain control statements in java
22. What is method overloading? Explain it.
23. Explain arrays and its types with suitable example

**PART C – ( $3 \times 10 = 30$  Marks)**  
**Answer ALL questions**

24. Explain different type of operators used in java
25. Explain constructor with suitable examples
26. Explain the following
  - (c) Typecasting and Conversion with example
  - (d) OOPs Concepts in java

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