



*Handwritten signature*

**Avinashilingam Institute for Home Science and Higher Education for Women**  
(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD)  
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B  
Coimbatore - 641 043, Tamil Nadu, India

**Continuous Internal Assessment II – October 2025**  
**III SEMESTER**

**Class: II UG**  
**Major: Computer Applications**

**Time: 2 Hours**  
**Max Marks: 60**

**23BCAC06 Programming in Java**

**Course Outcomes:**

- CO1: Understand the concept of OOP, java features, types, control structures and arrays.  
CO2: Identify classes and objects, members of a class and relationship among them to solve a specific problem.  
CO3: Learned the implementation of packages to solve the complex problems and applying exception handling mechanisms.  
CO4: Learned the various methods in string and string buffer class  
CO5: Knows how to develop the client side programming using Applet and AWT.

**Part – A**

**6x 1=6**

**Choose the correct answer**

1. An abstract method CO3 K1
  - a) Must have a body
  - b) Cannot have a body
  - c) Can be called directly
  - d) Is always static
2. A private member of a class is accessible CO3 K2
  - a) Anywhere in the program
  - b) Only within the class
  - c) Within the package
  - d) Outside the package
3. Which of the following is true about interface methods? CO4 K2
  - a) All methods must have a body
  - b) All methods are abstract by default
  - c) All methods are private
  - d) Methods can be final
4. Which of the following is a valid sub-package hierarchy? CO4 K2
  - a) com.company.project
  - b) com:company:project
  - c) com/company/project
  - d) com-company-project
5. Which of the following is used to handle runtime errors in Java? CO5 K2
  - a) Event Handling
  - b) Exception Handling
  - c) Applets
  - d) Packages
6. Which method is used to draw graphics in an applet? CO5 K2
  - a) draw()
  - b) paint()
  - c) render()
  - d) display()

**Part- B**

**3x6=18**

**Answer ALL Questions**

**Each answer should not exceed 400 words or two pages**

7. a. What is abstract method in java? Explain with example CO3 K1  
(or)
7. b. Write in detail about finalize method and visibility control in java with example CO3K2
8. a. How to use import statement in packages? Explain with example CO4 K2  
(or)
8. b. What is the purpose of hiding class in java? Explain with example CO4 K2
9. a. Explain the concept of user defined exceptions with examples CO5 K3  
(or)
9. b. What is the use of graphic programming in java explain with example. CO5 K3

**Part-C**

**3x12=36**

**Answer ALL questions**

**Each answer should not exceed 800 words or four pages**

- |  |        |
|--|--------|
| 10. a. Describe in detail about Interfaces in java with examples<br>(or)             | CO4 K2 |
| 10. b. Write a java program to implement multiple interface and explain the concepts | CO4 K2 |
| 11. a. Write in detail about packages in java with example<br>(or)                   | CO4 K3 |
| 11. b. Briefly explain about exception handling mechanism in java with example       | CO5 K3 |
| 12. a. Elaborate how applets works in java with example.<br>(or)                     | CO5 K3 |
| 12. b. Write in detail about event handling in detail with an example.               | CO5 K2 |

\*\*\*\*\*

**Campus-II- 50 Copies**

**Staff-In-Charge: Dr.D.Ambika**