



42532

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BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – BCA-Hons-2024

Course Name – Object Oriented Programming in JAVA

Course Code - BCA40107

(Semester IV)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) What is an object in OOP?
 - a) A programming language
 - b) An instance of a class
 - c) A collection of methods
 - d) A data type
- (ii) Which relationship represents a “uses-a” connection between classes?
 - a) Association
 - b) Inheritance
 - c) Compilation
 - d) Execution
- (iii) Which of the following is a basic property of object-oriented programming?
 - a) Encapsulation
 - b) Looping
 - c) Compilation
 - d) Debugging
- (iv) Which keyword prevents inheritance?
 - a) static
 - b) final
 - c) private
 - d) abstract
- (v) Superclass reference pointing to subclass object enables:
 - a) Overloading
 - b) Late binding
 - c) Early binding
 - d) Hiding
- (vi) Which avoids naming conflicts?
 - a) JVM
 - b) Package
 - c) Compiler
 - d) Interpreter
- (vii) Which keyword must be first in constructor?
 - a) this()
 - b) super()
 - c) Both
 - d) Any
- (viii) Identify the checked exception from the following?
 - a) ArithmeticException
 - b) NullPointerException
 - c) IOException
 - d) ArrayIndexOutOfBoundsException

Critique the practice of declaring throws Exception in the main method. While it satisfies the compiler, what is the negative impact on the final application? (5)

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