

# CBCS SCHEME

BPLCK105C



USN

**First Semester B.E./B.Tech. Degree Examination, Dec.2025/Jan.2026**  
**Basics of Java Programming**

Time: 3 hrs.

Max. Marks: 100

*Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.*  
*2. M : Marks , L: Bloom's level , C: Course outcomes.*

Module - 1					
Q.1	a.	Describe the meaning of each word in "Public static void main()".	M 6	L L1	C CO1
	b.	Give the list of separators used in Java programming.	6	L1	CO1
	c.	Write a Java program to sort list of elements in ascending order.	8	L2	CO1
OR					
Q.2	a.	Explain different lexical issues in Java.	6	L1	CO1
	b.	Give different syntax of array allocation in Java.	6	L1	CO1
	c.	Write a Java program for multiplication of two arrays.	8	L2	CO1
Module - 2					
Q.3	a.	Explain control statements used in Java with syntax and example.	6	L1	CO2
	b.	Explain logical operators with example program.	8	L1	CO2
	c.	Illustrate break and continue keywords with example.	6	L2	CO2
OR					
Q.4	a.	Explain for each version of for loop with an example.	6	L1	CO2
	b.	With example demonstrate the working of while loop and do-while loop in Java.	8	L1	CO2
	c.	Write a program to demonstrate use of ternary operator.	6	L2	CO2
Module - 3					
Q.5	a.	Explain two ways of argument passing methods with example.	6	L1	CO1
	b.	Explain : i) this keyword ii) The finalize()	6	L1	CO1
	c.	Write a Java program to demonstrate method overloading.	8	L2	CO1

OR

Q.6	a.	What are Constructors? Explain 2 types of constructors.	6	L1	CO1
	b.	What is Recursion? Explain with an example program.	6	L1	CO1
	c.	Illustrate a Java program to implement stack operations.	8	L2	CO1

Module – 4

Q.7	a.	Explain different types of inheritance in Java.	6	L1	CO3
	b.	Distinguish between method overloading and method overriding with suitable example.	8	L1	CO3
	c.	Explain two uses of super keyword in Java.	6	L1	CO3

OR

Q.8	a.	What is an Abstract Class? Explain with example program.	6	L1	CO3
	b.	Explain how dynamic method dispatch is achieved with an example.	8	L1	CO3
	c.	Explain working of i) Final Class ii) Final Method.	6	L1	CO3

Module – 5

Q.9	a.	With example demonstrate working of interface in Java.	10	L2	CO4
	b.	Demonstrate working of access modifiers in all the classes of Java with 2 different packages.	10	L2	CO4

OR

Q.10	a.	What is an Exception? Explain different mechanisms of handling the exceptions in Java.	10	L2	CO4
	b.	Explain what are uncaught exceptions. How to create our own exceptions? Explain with an example program.	10	L2	CO4

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