

Object Oriented Programming Through Java (25IT303)

Unit wise Question Bank

<u>UNIT-I</u>				
S.No	Questions	BT	CO	PO
Part –A(Short Answer Questions)				
1	Define JVM, JRE, and JDK.	L1	CO1	PO1
2	List any four features (buzzwords) of Java.	L1	CO1	PO1
3	What is Java Bytecode and how does it ensure platform independence?	L1	CO1	PO1
4	What is the purpose of public static void main(String[] args)?	L1	CO1	PO2
5	Differentiate primitive and non-primitive data types in Java.	L1	CO1	PO1
6	Explain implicit and explicit type casting with a simple example.	L1	CO1	PO2
7	Write the syntax and usage of the ternary operator (?:).	L1	CO1	PO1
8	How do break and continue statements differ in Java loops?	L1	CO1	PO1
9	Define an array and show its declaration and initialization syntax.	L1	CO1	PO1
10	What are command-line arguments in Java?	L1	CO1	PO2
Part –B(Long Answer Questions)				
S.No	Questions	BT	CO	PO
11	Compare Procedure-Oriented Programming (POP) with Object-Oriented Programming (OOP) in detail.	L2	CO1	PO2
12	Explain Java Architecture and the compilation/execution process of a Java program with a neat diagram.	L2	CO1	PO3
13	Discuss all primitive data types in Java along with their sizes, ranges, and default values.	L2	CO1	PO1
14	Explain selection control statements (if-else, nested-if, switch-case) with syntax and Java code examples.	L2	CO1	PO2
15	Discuss looping control statements (for, while, do-while, enhanced for) in Java with examples.	L2	CO1	PO2
16	Write a Java program to check whether a given number is an Armstrong Number or a Prime Number.	L3	CO1	PO3
17	Explain two-dimensional arrays in Java and write a Java program to perform Matrix Multiplication.	L3	CO1	PO3
18	Write a Java program to sort an array of integers in ascending order using Bubble Sort.	L3	CO1	PO2
19	Discuss bitwise operators and logical operators in Java with truth tables and example programs.	L2	CO1	PO1
20	Write a Java program to search for a target element in an array using Linear Search.	L3	CO1	PO2