

# Model Question Paper-I/II with effect from 2022-23 (CBCS Scheme)

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## First/Second Semester B.E. Degree Examination Introduction to JAVA Programming

TIME: 03 Hours

Max. Marks: 100

- Note: 01. Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.  
02. Use JAVA code snippet to illustrate a specific code design or a purpose.

Module -1			Bloom's Taxonomy Level	Marks
Q.01	a	Explain object oriented principles.	L2	6
	b	Describe the meaning of each of the keyword in "public static void main"	L1	6
	c	Explain different lexical issues in JAVA.	L2	8
OR				
Q.02	a	Explain different promotion rules in JAVA.	L2	6
	b	Give different syntax of array allocation in JAVA.	L1	6
	c	Explain different type of integer literals with examples.	L2	8
Module-2				
Q. 03	a	Explain the following operations with example. (i) << (ii) >> (iii) >>> (iv) &	L2	8
	b	Demonstrate the working of enhanced for loop.	L2	6
	c	Write a program to sort the elements using for loop.	L3	6
OR				
Q.04	a	Explain four different types of if statements in JAVA.	L2	8
	b	Demonstrate working of break with labels in JAVA.	L2	6
	c	Write a program to find the biggest of three numbers using ternary operator.	L3	6
Module-3				
Q. 05	a	What are constructors ? Explain two types of constructors.	L2	6
	b	Explain static variable and static methods in JAVA.	L2	6
	c	Write a program to perform Stack operation using proper class and methods	L3	8
OR				
Q. 06	a	Explain memory allocation and use of garbage collector in JAVA	L2	6
	b	Explain use of <i>this</i> in JAVA.	L2	6
	c	Write a JAVA program demonstrating Method overloading.	L3	8
Module-4				
Q. 07	a	Explain different types of inheritance in JAVA.	L2	6
	b	Example two uses of super keyword with example.	L2	6
	c	Demonstrate the working of final class and final method in JAVA.	L3	8
OR				
Q. 08	a	What is abstract class ? Explain with example.	L2	6
	b	Give example for method overriding.	L2	6
	c	Demonstrate dynamic dispatch using abstract class in JAVA.	L3	8

<b>Module-5</b>				
Q. 09	a	What is a package ? Explain with example.	L2	6
	b	Demonstrate the working of interface in JAVA.	L2	8
	c	Explain different access modifiers in JAVA.	L3	6
OR				
Q. 10	a	What is an exception ? Give an example.	L2	6
	b	Explain the procedure of creating our own exception.	L2	8
	c	Explain different mechanism of handling the exceptions in JAVA.	L3	6