SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech. II Year I Semester Regular & Supplementary Examinations November-2025
OBJECT-ORIENTED PROGRAMMING THROUGH JAVA
(Common to CSIT, CSE, CIC, CCC, CIA, CAI, CSM & CAD)

Time: 3 Hours　　　　　　　　　　　　　　　　　　　　　　　　Max. Marks: 70

PART-A
(Answer all the Questions 10 x 2 = 20 Marks)

1	a	What is an escape sequence comment?	CO1	L1	2M
	b	List out Java language BUZZWORDS.	CO1	L1	2M
	c	List Access Specifiers in java.	CO2	L1	2M
	d	What is meant by an Nestedclass?	CO2	L1	2M
	e	What is the use of „Super" Keyword? Give an example.	CO3	L1	2M
	f	How to Access Elements of an Array in Java?	CO3	L1	2M
	g	Define java library.	CO4	L1	2M
	h	What is class Math?	CO4	L1	2M
	i	What is difference between starting thread with Run () and start () method?	CO5	L1	2M
	j	Difference between String and StringBuffer classes.	C05	L3	2M

PART-B
(Answer all Five Units 5 x 10 = 50 Marks)

UNIT-I

2	a	What is a token in Java? Illustrate the tokens available in Java.	CO1	L3	5M
	b	Develop a program to understand the command line arguments.	CO1	L6	5M

OR

3	a	Illustrate briefly type Conversion and type casting.	CO1	L3	5M
	b	Create a java program to find Factorial of given number.	CO1	L6	5M

UNIT-II

4	a	Describe the access control for class members with example.	CO2	L2	5M
	b	Develop a java program for Nesting of Methods.	CO2	L6	5M

OR

5	a	Explain about Nested Classes with example	CO2	L2	5M
	b	Create a java program to find the factorial value of the given number using recursive method.	CO2	L6	5M

UNIT-III

6	a	Discuss about operations on array elements.	CO3	L2	5M
	b	Develop a Java Program to Check if an Array Contains a Given Value.	CO3	L6	5M

OR

7	a	Explain about Inheritance .List out types of Inheritance.	CO3	L2	6M
	b	Create a Java Program to explain multi-level inheritance.	CO3	L6	4M

UNIT-IV

8	a	Identify the access control in packages.	CO4	L3	6M
	b	Identify the class instant and temporal adjuster class.	CO4	L3	4M

OR

9	a	What is an Exception? Explain different types of Exception.	CO4	L2	5M
	b	Demonstrate the auto-boxing and auto-unboxing in java.	CO4	L2	5M

UNIT-V

10	a	Illustrate about Deadlock and race situations.	CO5	L3	5M
	b	Create a java program for displaying text and image using java FX GUI.	CO5	L6	5M

OR

11	a	Discuss about JDBC architecture and explain in detail.	CO5	L2	5M
	b	Explain about various scene graph and mouse events with example.	CO5	L2	5M

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