Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech II Year II Semester Regular Examinations October-2022
OBJECT ORIENTED PROGRAMMING THROUGH JAVA
CSE(Artificial Intelligence and Machine Learning)

Time: 3 hours   Max. Marks: 60

(Answer all Five Units **5 x 12 = 60** Marks)

UNIT-I

1	a	What is meant by paradigm? List the programming paradigms.	L1	6M
	b	List and Explain Java Buzz Words.	L2	6M

OR

2	a	Define Data Type? Discuss the data types available in Java.	L2	6M
	b	Develop a Java program to read different data types using Scanner.	L6	6M

UNIT-II

3	a	Give the definition and syntax of Class, Method and Object.	L1	6M
	b	Create a java program to display "Hello! Java" using Class, Object and Method.	L6	6M

OR

4	a	Show the application of final keyword with variable, method and class in detail with an example.	L1	6M
	b	Give the difference between final and finalize.	L4	6M

UNIT-III

5	a	Explain about Nested try statements with an example.	L2	6M
	b	What are Java's Built-in Exception? Write the importance of finally block.	L1	6M

OR

6	a	Show about creating your own Exception clauses.	L2	6M
	b	Develop a java program to create own exception for Negative Value Exception if the user enters negative value.	L6	6M

UNIT-IV

7	a	Define Generics. State the importance of generics in java.	L1	6M
	b	Demonstrate the implementation of Generics in java with an example program.	L2	6M

OR

8	a	List and describe about collection class in java.	L2	6M
	b	Implement the following concepts with java programs i) Array list ii) Tree Set iii) Linked HashMap	L4	6M

UNIT-V

9	a	State the features of swing in java.	L1	6M
	b	Difference between AWT and SWING.	L4	6M

OR

10	a	State the importance of Lambda Expression with syntax.	L1	6M
	b	Develop a java program to pass multiple parameters with Lambda Expression.	L6	6M

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