SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech II Year I Semester Regular & Supplementary Examinations December-2023
PYTHON PROGRAMMING
(Common to CSM, CAD & CIC)

Time: 3 Hours   Max. Marks: 60

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

UNIT-I

1	a	Explain the Single-Valued data types in Python.	CO2	L2	6M
	b	What is Set? Explain set Operations.	CO2	L1	6M

OR

2	Demonstrate the String and its Methods with an example.	CO2	L2	12M

UNIT-II

3	a	Develop a Python program to Swap two numbers with and without using temporary variables.	CO1	L6	6M
	b	Rate the execution order of different Expressions by evaluating them through the Python program.	CO2	L5	6M

OR

4	a	Discuss the term: Range Write a for loop that prints numbers from 0 to 20, using the range function.	CO1	L2	6M
	b	Analyze the Python jump statements with suitable examples.	CO1	L6	6M

UNIT-III

5	a	Describe the class Constructor (_init_()) with an example.	CO4	L2	6M
	b	Write a Python program to find right most digits in the entered number using the return statement.	CO3	L1	6M

OR

6	a	Analyze the term: Self-variable with code.	CO4	L4	6M
	b	What is Polymorphism? How will you perform Method Overloading?	CO4	L1	6M

UNIT-IV

7	a	How will you handle an exception using try except block? Explain with the help of a program.	CO2	L2	6M
	b	Analyze the term : PIP. Explain installing packages via PIP.	CO6	L3	6M

OR

8	a	What is Regular expression in python? Illustrate searching with example program.	CO5	L2	6M
	b	Create code to illustrate try and except statements in Python.	CO4	L6	6M

UNIT-V

9	Narrate Python Files, its types, functions and operations that can be performed on files with examples.	CO2	L4	12M

OR

10	a	Illustrate the Command line arguments.	CO4	L3	6M
	b	Discuss the colors and filled shapes in python.	CO4	L2	6M

*** END ***