O.P.Code: 16CS543	R16	H.T.No.									

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR

(AUTONOMOUS)

B.Tech IV Year II Semester Supplementary Examinations May/June-2024

PYTHON PROGRAMMING

(Computer Science & Engineering)

Time: 3 Hours **Max. Marks: 60**

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

		UNIT-I			
1	a	List out the features and applications of Python.	CO1	L1	6M
	b	Create a Python program to display Fibonacci series.	CO1	L6	6M
		OR			
2	a	What is data type? List out the data types with example.	CO1	L1	6M
	b	Develop a Python program to Swapping of two numbers with and without using temporary variable.	CO1	L3	6M
		UNIT-II			
3	a	Summarize Control flow structures in python with example.	CO2	L5	6M
	b	What is Set? List out the Set Operations in detail.	CO2	L2	6M
		OR			
4	a	Describe the string in slicing with example.	C02	L4	6M
	b	Write a Python program to modify an item in the Dictionary	CO2	L3	6M
		UNIT-III			
5	a	Illustrate lambda function with example.	CO3	L4	6M
	b	Create recursive function to find factorial of a number	CO3	L6	6M
		OR			
6	a	Define Variable-length arguments? Explain with example.	CO3	L1	6M
	b	Describe Python jump statements with examples.	CO3	L2	6M
		UNIT-IV			
7	a	What is inheritance? Illustrate types of inheritance with python code.	CO4	L2	6M
	b	Describe about class constructor (_init_()) with example.	CO4	L3	6M
		OR			
8	a	Illustrate the Reference Counting and Garbage Collection.	CO4	L1	6M
	b	Create code to illustrate try and except statements in Python.	CO4	L6	6M
		UNIT-V			
9	a	Illustrate about Python Runtime Services.	CO5	L4	6M
	b	Illustrate about Command line arguments.	CO5	L4	6M
		OR			
10	a	Write about the writing files in python.	CO5	L1	6M
	b	List out the testing requirement in python	CO5	L1	6M

***** END *****