SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech I Year I Semester Supplementary Examinations December-2021
PYTHON PROGRAMMING
(Common to ECE, CSE & CSIT)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

1	a	What is data type? List out the types of data types with example.	6M
	b	Explain variable assignment with suitable example.	6M

OR

2	a	Explain about the Single-Valued data types in python.	6M
	b	Implement the python program to calculate total and average marks based on input.	6M

UNIT-II

3	a	Write a Python program to print prime number series up to N.	6M
	b	Write a python program to print factorial of a given number.	6M

OR

4	a	Explain break and continue statement with the help of for loop with an example.	6M
	b	Develop a program to find the largest among three numbers.	6M

UNIT-III

5	a	Differentiate key word and default arguments.	6M
	b	Differentiate global and local variables.	6M

OR

6	a	Compare class and object with python code.	6M
	b	Compare method overloading and overriding.	6M

UNIT-IV

7	a	List some few common Exception types and explain when they occur.	6M
	b	What are packages? Give an example of package creation in Python.	6M

OR

8	a	Write a small code to illustrate package in Python.	6M
	b	i) What are modules in Python?	6M
		ii) How to create a module?	
		iii) What is import statement in modules?	

UNIT-V

9	a	Explain about Python Runtime Services.	6M
	b	Explain about Data Compression.	6M

OR

10	a	What is mean by Iterators and Generators?	6M
	b	Write about map and filter in Python?	6M

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