# SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMAKURU

(A constituent college of Sri Siddhartha Academy of Higher Education, Tumakuru)

## **CS4TH4: Programming with Python**

Date:10/05/2022 TEST 1 Time: 3:00 PM	to 4:0	00 PI	M
Answer all the questions Maximu	m Ma	irks :	30
	M	C	В
<ul> <li>Identify and explain the type of error in each of the following python statements:</li> <li>i. &gt;&gt;&gt;celcius=37</li> </ul>	6	1	2
>>>fahrenheit=9/5*(celcius-32) ii. >>>n=5			
>>7=n			
iii. >>>a=4			
>>>b=0 >>>c=a // b			
What is the difference between / and // operators in python? Develop a python program to convert the given number of Seconds to Hours, Minutes and Seconds.	6	1	2
Interpret the output of the following python statements:  i. >>>int("23 bottles")  ii. >>>"Hello" * 3  iii. >>> 2 ** 2 ** 3	6	2	2
Construct python code snippets for the following:  iii) To count the digits 0 and 5 in a given number.  iv) To find the sum of the elements in a list.	6	2	3
Develop a Python program that generates multiplication table of given size.	6	2	3

NOTE: M-Marks, C-Course Outcome and B-Bloom's level

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### CS4TH4: Programming with Python

1 Develop Python functions for the following:  a) To remove all the vowels from a string. b) To count the number of times the letter 'a' appears in a string.  2 Explain the following string methods with an example for each:  a) find() b) split() c) format()  3 What are tuples? Develop a Python program to sort a list of tuples based on the sum of elements in each tuple.  4 Interpret the output of the following:  a) a_list = ["a", "b", "c", "d", "e", "f"] a_list[1:3] = ["x", "y"] print(a_list)  b) a_list = ["a", "d", "f"] a_list[1:1] = ["b", "c"] print(a_list)  c) fruits=["banana", "apple", "pear", "lemon"] for (i, v) in enumerate(fruits): print(i, v)				0	0						
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### CS4TH4: Programming with Python

Date	te:28/06/2022 TF	EST 3	Time:	3:00 PM to	4:0	0 PM	1
Ans	swer all the questions			Maximu	n M	arks	:20
					M	C	E
1	Develop Python code snip operations:	opets to p	erform the	following	5	4	
	<ul><li>a) Reading a file one l</li><li>b) Reading the whole</li></ul>						
2	What are the different Explain them with suitable		_		5	2	2
3	What is the difference Demonstrate the set oper difference with a suitable F	ations un	ion, intersec		5	3	2
4	Develop a Python program number of sides. The pro appropriate exception what negative.	gram sho	uld raise an	d handle	5	4	3

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