



Department of Artificial Intelligence and Machine Learning

Course Code: 22P115A

Sem: I Semester

Date: 24.02.2023

Duration: 110 Minutes

INTRODUCTION TO PYTHON PROGRAMMING

QUIZ-2				
SL. No	Question	M	BT	CO
1	Tuples are immutable. Prove it with an example.	2	3	3
2	What is the output of following code: <pre>tuple1 = ('a', 'b', 'c') tuple2 = (1, 2, 3) tuple3 = tuple1 + tuple2 print(tuple3)</pre>	1	1	1
3	Give an example of INSERT () function for the list.	2	2	2
4	What is the output of following code: <pre>thislist = ['apple', 'banana', 'cherry'] print(thislist[-1])</pre>	1	3	3
5	List any two uses of dictionary.	2	1	1
6	Write an instruction to delete 'YEAR' from given dictionary <pre>thisdict = { 'brand': 'Ford', 'model': 'Mustang', 'year': 1964 } print(thisdict) //ADD INSTRUCTION HERE</pre>	1	2	2
7	What is the output of following code: <pre>txt = 'Hello, welcome to my world.' x = txt.index('welcome') print(x)</pre>	1	3	3

CIE-2				
SL. No	Questions	M	BT	CO
1	a) Differentiate between list and dictionary, with an example for each.	5	3	2

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	b)	Write a program to find factorial of a given number 'n' using for loop.	6	3	2
2	a)	Discuss the below 'tuple' operations with an example for each: i) Concatenation. ii) Iteration. iii) Membership. iv) Repetition	6	2	3
	b)	Declare a string "Welcome to python programming". i) Split the string to print substrings. ii) Slice the string to print characters from position 3 to position 10	4	4	4
3	a)	With syntax, explain the working of break, continue and pass statements. Write an example for each.	6	2	3
	b)	Create a dictionary containing 5 students name with USN. Write a Python program to print only the USN of the students.	4	3	1
4	a)	Create a list of 'n' integers. Write a Python program to print minimum and maximum integer in the list.	6	4	2
	b)	What are functions? Explain the uses of creating functions in Python language.	4	1	4
5	a)	Write a Python function to print the sum of all numbers in a given list.	5	4	2
	b)	What are global variables and constants in Python language? Give examples.	5	1	1

Course Outcome

CO1	Apply fundamental knowledge of Python programming to solve the engineering problems
CO2	Identify the problems in various application domains and solve them using different concepts of Python programming
CO3	Design a solution using Python programming with societal, environmental, and other concerns by engaging in lifelong learning for emerging technology
CO4	Demonstrate the use of modern tools by exhibiting teamwork and effective communication skills

M-Marks, BT-Blooms Taxonomy Levels, CO-Course Outcomes

		CO1	CO2	CO3	CO4	L1	L2	L3	L4	L5	L6
Marks Distribution	Particulars										
	Max Marks (Test)	27	20	7	6	9	22	17	12	-	-