End-Term Examination (Regular & Reappear)

(CBCS)(SUBJECTIVE TYPE)(OffLine)

Course Name:<BTECH AI & ML/CSE-AI>, Semester:<1st Semester>

(December, 2023)

		Subject: Programming with Python	
Subject Code: BAI 110		Maximum Marks :60	
Time :	3 Hours		
Note:	Q. 1 is compulsory. Attempt one quest	ion each from the Units I, II, III & IV.	
Q1			2.5*
J.	Write a program to print a string str =	'Programming' in reverse order using rang	e().
p. /	What is a set. Write a python program	to convert a string str="Fruitful" to a set	
+	Write a program to find the index of a position and ending with second last	n element of 10 in between the index at the position	e 3rd
d.	What are the functions used in ma Explain any two with syntax to call th	tplotlib to plot a vertical and horizontal ese functions.	line?
le.	Given a nested tuple. Write a program following tuple to '100'.	m to modify the first item '50' of a list insid	e the
5	Explain the following list methods wi	th example: extend(), index() and append(
5	When are the following built-in exce answers. a) ImportError b) IOError c) NameError g) ZeroDivisionError	ptions raised? Give examples to support yo	our
n/	Write a Python GUI program to impo title and add a label to the window.	ort Tkinter package and create a window.	Set its
		UNIT-I	
92/	Define python list. How to add an ele example.	ement in a list. Explain with a suitable	(10)
Q3	Explain the use of join() ar Describe why strings are im	nd split() string methods with examples. mutable with an example.	(10)
,		UNIT-II	
94/	Explain Arbitrary Positional argume examples using a function.	nt and Arbitrary Keywords argument with	(10)

Q5	Write Pythonic code to create a function called most_frequent that takes a string and prints the letters in decreasing order of frequency. Use dictionaries.	(10)
	UNIT-III	
Q6	Write a program to prompt for a score between 0.0 and 1.0. If the score is out of range, schedule an exception handling process, If the score is between 0.0 and 1.0, print a grade using the following table. Score. Grade >=0.9. A >=0.8. B >=0.7. C >=0.6. D <0.6. E	(10)
27	What is exception handling? Given below is a code. Find the exceptions generated when the input of denominator entered is a. 0, b. 10, c. 'Hello' and provide the statements to be printed while executing exceptions. print ("Handling exception using tryexceptelse") try: numerator=50 denom=int(input("Enter the denominator: ")) quotient=(numerator/denom) print ("Division performed successfully") except print ("") except; print ("") else:	(10)
	print ("The result of division operation is ", quotient)	
/		
	print ("The result of division operation is ", quotient)	to (10)