SHRI MATA VAISHNO DEVI UNIVERSITY, KATRA

	B. Tech. (CSE) Minor-II Examination (Even Semester) 2	023-24	
Entry No: Total Number of Pa			
	Date: 15th April, 2024 Course Title: Programming Using Python		- "
	Course Code: CSL DC102		
	Time Allowed: 1 Hour (10:45 to 11:45AM)	Max Marks: [20]
I	Instructions / NOTE		
	. Attampt All Questions	ioto	
	Support your answer with neat freehand sketches/diagrams, wherever a	appropriate.	
	iii. Assume an appropriate data / information, wherever necessary / missing	ıg.	1
1	Section – A		
	Q1. Answer the following statement as True or False.	[03]	CO1
	 (i) Comparing two lists of different lengths will result in an error. True/False (ii) The remove() method deletes an element at a specified index from a list. True/Fal (iii) If a list in Python contains multiple identical items and you try to convert it to a set, the program will crash. True/False (iv) If you try to access a key that does not exist in a dictionary, Python will return None. True/False (v) The symmetric difference of two sets in Python can also be expressed as the union of the two sets, minus their intersection. True/False 	se	
ı	union of the two sets,		

B. ["Basil, "Kookie", "KitKat"] C. ["Kookie, "KitKat", "Grey"]	
 D. Error	

the keys of the dictionary. True/False

(ii) What is the difference between the .find() and .index() methods in Python? A. .find() works only on strings and returns -1 if the specified element is not found, while .index() works on strings and lists but raises an error if the specified element is not found. B. .find() only works on lists, and .index() only works on strings, but both return -1 if the

When iterating over a dictionary using a for loop, the loop variable refers to

(i) Assuming myLst = ["Basil", "Kookie", "KitKat", "Grey"], what does the expression myLst[:-2]

specified element is not found. C. .find() and .index() are interchangeable methods, and there is no significant difference between them.

D. .find() works on strings and lists, while .index() works only on strings, but both raise an error if the specified element is not found.

(iii) What will happen if you try to convert a dictionary into a list using list()?

A. An error is raised.

(vi)

evaluate to?

A. ["Basil, "Kookie"]

Q2.

B. It will create a list of the dictionary's keys.

C. It will create a list of the dictionary's values.

D. It will create a list of the dictionary's key-value pairs as tuples.

	present in one (not both)? A. set1.difference(set2).union(set2.difference(set1)) B. set1.symmetric difference(set2) C. set1.union(set2).difference(set1.intersection(set2)) D. set1.difference(set2).union(set2 - set1) E. All of the above. F. A and C.		
	Section – B		
Q3.	Find the output of the following Python code: (i)	[80]	CO2

CO1

[04]

```
L1 = [500,800,600,200,900]
      START = 1
      SUM = 0
      for C in range(START,4):
          SUM = SUM + L1[C]
          print(C,":",SUM)
          SUM = SUM + L1[0]*10
          print(SUM)
     (ii)
     s = "Smvdu123!"
     result = ""
     for char in s:
         if char in str(not s):
             result += "B"
         elif char.isalpha():
             result += char.upper()
         elif char.isdigit():
             result += str(int(char) + 5)
         else:
              result += char
     print(result)
     (iii)
     def ChangeList():
        L=[]
        L1=[]
         L2=[]
         for i in range(1,10):
                   L.append(i)
          for i in range(10,1,-2):
                   L1.append(i)
          for i in range(len(L1)):
                   L2.append(L1[i]+L[i])
           L2.append(len(L)-len(L1))
          print(L2)
       ChangeList()
       (iv)
       s = "oompaLoompa"
       result = (s[-len(s):-len(s)+5] + "" + s[-6:])
       print(result)
      (i) List one similarity and one difference between List and Dictionary datatype.
                                                                                                     [04]
                                                                                                              CO<sub>3</sub>
O4.
       (ii) Write the definition of a function COUNTNOW(PLACES) to find and display those
          place names, in which there are more than 7 characters. For example: If the list
          PLACES contains ["SYDNEY", "TOKYO", "PINKCITY", "BEIJING", "SUNCITY"] The following
          should get displayed: PINKCITY
                                                                                                               CO<sub>3</sub>
                                                                                                     [01]
      Describe the difference between import library and from library import *
Q5.
      when used in a python program. Here library is some python library.
```

Course Outcomes

- CO1. Know the basic syntax and Data Structures in Python.
- CO2. Think and Design solution in Object Oriented way as well as Procedural way.
- CO3. Enjoy coding and compete at online programming sites like CodeChef, HackerEarth etc.

СО	Questions Mapping	Total Marks	Total Number of Students (to be appeared in Exam)
COI	Q1,Q2	07	120
CO2	Q3	08	120
CO3	Q4, Q5	05	120