



INDIAN SCHOOL MUSCAT SECOND PERIODIC TEST

COMPUTER SCIENCE

CLASS: XI

Sub.Code: 083

Time Allotted: 50mts.

15.01.2023

Max .Marks: 20

GENERAL INSTRUCTIONS:

- All questions are compulsory.
- Programming language is Python.

Then what will be the value of:

i) ii) print(len(Items))

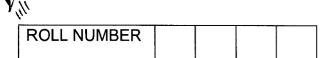
print(Items[0][0])

1.	Which of the following options will result in an error when performed on tuples in Python where T1 = (11, 20, 17, 10, 20)? a) T1=T1* 2 b) T2=max(T1) c) T1.append(2) d) T1.count(20)	1
2.	What is the difference between extend() and append() method in List?	1
3.	 Write the most appropriate function to perform the following tasks: i) To delete the first matching item from the list. ii) To know the number of elements in the list. 	1
4.	If L2=[4, 3, 6, 5, 8], Write a statement to sort the list L2 in the descending order without creating a new list to get an output as [8, 6, 5, 4, 3].	1
5.	How is list different from tuple?	1
6.	Consider the tuple: Items=(((100, 200, 300), (40, 50, 60)), [1, 1, 2, 3, 5, 8], ('a', 'e', 'i', 'o', 'u'))	2



```
Write the output of the following python code:
                                                                                                      2
    a=(1, 2, 3, 2, 3, 4, 5)
    print(max(a) + a.count(2))
    t1 = (23, 45, 67, 43, 21, 41)
    print(t1[-1: -5: -1])
    Write the output of the following code:
                                                                                                      2
    L=[1, 2, 3, 4, 5, 6]
    item = L.pop(2)
    print('ITEM:', item)
    newList=L[:3] + L[3:]
    print('NEW LIST:', newList)
    Write a python program to input a tuple of elements and search for an element (input by the
9.
                                                                                                      3
    user) in the tuple.
10. Write a python program to input a list of numbers and swap elements at the even location
                                                                                                      3
    with the elements at the odd location.
11. Write a python program to input a list of numbers and print the smallest and largest number
                                                                                                      3
     from the list.
```

В





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1.	Which of the following options will not result in an error when performed on tuples it	n
	Python where $T = (11, 22, 33, 44, 55)$?	

1

- a) T=T+3
- b) T=T*3
- c) T.append(2)
- d) T[0]=20
- 2. What is the difference between list and tuple?

1

3. Write the most appropriate function to perform the following tasks:

- 1
- (i) To remove all elements from a list and the list becomes empty list after this function.
 - (ii) Add an element at the end of the list.
- 4. What is the difference between pop() and remove() method in List?

1

5. If L1=[400, 300, 60, 500, 80], Write a statement to sort the List L1 in the descending order without creating a new list to get an output as [500, 400, 300, 80, 60].

1

2

6. Consider the tuple:

Then what will be the value of:

- i) print(len(t1))
- ii) print(t1[0][0])

7. Write the output of the following python code: 2

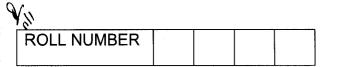
8. Write the output of the following code: 2

```
list1=[5, 3, 2, 1, 0, 1, 2, 3]
list1[4]=10
print('SUM OF LIST:', sum(list1))
list1.insert(6,4)
print('UPDATED LIST1:' ,list1)
```

- Write a python program to input a tuple and print the alternate elements of a tuple. 9.
- 3

3

- 10. Write a python program that inputs a list of numbers and shifts all the zero's to right and all non-zero numbers to left of the list and print.
- 11. Write a python program to input a list of integers and print the largest even number. If there 3 is no even number in the list, print "No even number".





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1

2

2

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1.	Which of the following options will not result in an error when performed on tuples in	1
	Python where $tupl = (5, 2, 7, 0, 3)$?	

- tupl1=tupl + tupl * 2 a)
- tup1 = tup1 + 'A'b)
- tupl.append(2) c)
- tupl[1]=2 d)

- 3. Write the most appropriate function to perform the following tasks: 1
 - Add an element in the beginning of the list. i)
 - ii) Get the position of an item in the list.

- 5. How is list different from tuple?
- 1
- 6. Consider the tuple:

$$T1 = (((('a', 2), 'b', 'c', 'd'), 4), 'e', 'f', 6)$$

Then what will be the value of:

- i) print(len(T1))
- ii) print(T1[0][0])
- 7. Write the output of the following python code:

T = (11, (22, (33,), 44), 55)print(T[2] + 100) t1 = (23, 65, 57, 49, 20, 40, 35, 48)print(t1[-2: -5: -2])

8. Write the output of the following code:

L=[11, 22, 33, 44, 55, 66, 77] item = L.pop(2) print('ITEM:', item) newList=L[:3] + L[3:] print('NEW LIST:',newList)

9. Write a python program to input a list of numbers and print the smallest and largest number from the list.

2

3

- 10. Write a python program that inputs a list of integers and print the sum of the even indexed elements of the list, minus the sum of the odd-indexed elements of the list.
- 11. Write a python program to input a tuple of elements and search for an element (input by the user) in the tuple.