1.

 Which of the following data types can be stored in a list?

1.      int, float, complex

2.      str, list, tuple, set

3.      dict, NoneType, bytes

4.      bool, frozenset, range

* 

1 and 2 are correct

* 

 1, 2 and 3 are correct

* 

 1, 2, 3 and 4 are correct

* 

None

Explanation:

2.

 Which of the following is correct for a list?

1.      List can be indexed.

2.      Lists can be sliced.

3.      Lists can be concatenated.

4.      Lists items can be reassigned.

* 

1 and 2 are correct

* 

1, 2, and 3 are correct

* 

 1, 2, and 4 are correct

* 

 All statements are correct.

Explanation:

3.

 Which of the following is correct for a list?

1.      List is unordered.

2.      List is mutable.

3.      List allows duplicate.

4.      Lists allow users to store only a single data type.

* 

 2 and 3 are correct

* 

  1 and 4 are correct

* 

    All statements are correct.

* 

  None

Explanation:

4.

  Which of the following list methods definition is correct?

            1.  append(): Adds an element at the end of the list.

            2. extend(): Add the elements of any iterable, to the end of the current list.

            3. remove(): Removes the item with the specified value

4. pop(): Adds an element at the specified position

* 

1, 2, and 4 are correct

* 

1, 2, and 3 are correct.

* 

    1 and 2 are correct

* 

All statements are correct

Explanation:

5.

What will be the output of the following code:

list\_out=[]

for i in range(0,51,10):

    list\_out.append(str(i))

print(list\_out)

* 

    [0, 10, 20, 30, 40]

* 

  ['0', '10', '20', '30', '40']

* 

    ['0', '10', '20', '30', '40', '50']

* 

  [0, 10, 20, 30, 40, 50]

Explanation:

6.

 Which of the following is correct for a tuple?

1.      Tuple is ordered.

2.      Tuple is mutable.

3.      Tuple allows duplicate.

4.    The following is not a tuple: (45, )

* 

1, and 2 are correct.

* 

1, and 3 are correct.

* 

1, 2, 3, and 4 are correct.

* 

None

Explanation:

7.

Is Item assignment allowed in tuples?

* 

True

* 

False

* 

Insufficient data

* 

None

Explanation:

8.

Select the correct option for the following code:

numbers = (1,2,3,4,5, 5,4,3,2,1)

list=[]

for number in numbers:

   list.append(number\*\*2)

print(set(list))

* 

[1, 4, 9, 16, 25, 25, 16, 9, 4, 1]

* 

(1, 4, 9, 16, 25, 25, 16, 9, 4, 1)

* 

{1, 4, 9, 16, 25}

* 

{1, 4, 9, 16, 25, 25, 16, 9, 4, 1}

Explanation:

9.

 Which two methods are used to join the two sets?

* 

+ and join()

* 

union() and update()

* 

append() and extend()

* 

None

Explanation:

10.

Which of the following methods are used for tuples and sets?

1. Tuples:  count() and index()
2. Tuples: append() and extend()
3. Sets: add(), pop() and union()
4. Sets: union(), update(), and index()

* 

1, and 2 are correct.

* 

1, and 3 are correct.

* 

1, 2, 3, and 4 are correct.

* 

2, and 3 are correct.

Explanation: