Multiple-Choice Questions

1. The statement that creates the list is

   a. superstore = list()
   b. superstore = []
   c. superstore = list([1,2,3])
   d. <mark>All of the above</mark>

2. Suppose continents = [1,2,3,4,5], what is the output of len(continents)?

   a. <mark>5</mark>
   b. 4
   c. None
   d. error

3. What is the output of the following code snippet?

   islands = [111,222,300,411,546]

   max(islands)

   a. 300
   b. 222
   c. <mark>546</mark>
   d. 111

4. Assume the list superstore is [1,2,3,4,5], which of the following is correct syntax for

   slicing operation?

   a. print(superstore[0:])
   b. print(superstore[:2])
   c. print(superstore[:-2])
   d. <mark>All of these</mark>

5. If zoo = ["lion", "tiger"], what will be zoo * 2?

   a. ['lion']
   b. ['lion', 'lion', 'tiger', 'tiger']
   c. <mark>['lion', 'tiger', 'lion', 'tiger']</mark>
   d. ['tiger']

6. To add a new element to a list the statement used is?

   a. zoo. add(5)
   b. <mark>zoo.append("snake")</mark>
   c. zoo.addLast(5)
   d. zoo.addend(4)

7. To insert the string "snake" to the third position in zoo, which of the following

   statement is used?

   a. zoo.insert(3, "snake")
   b. ==zoo. insert(2, "snake")==
   c. zoo.add(3, "snake")
   d. zoo.append(3, "snake")

8. Consider laptops = [3, 4, 5, 20, 5, 25, 1, 3], what will be the output of laptops.reverse()?

   a. [3, 4, 5, 20, 5, 25, 1, 3]
   b. [1, 3, 3, 4, 5, 5, 20, 25]
   c. [25, 20, 5, 5, 4, 3, 3, 1]
   d. ==[3, 1, 25, 5, 20, 5, 4, 3]==

9. Assume quantity = [3, 4, 5, 20, 5, 25, 1, 3], then what will be the items of quantity list

   after quantity.pop(1)?

   a. [3, 4, 5, 20, 5, 25, 1, 3]
   b. [1, 3, 3, 4, 5, 5, 20, 25]
   c. ==[3, 5, 20, 5, 25, 1, 3]==
   d. [1, 3, 4, 5, 20, 5, 25]

10. What is the output of the following code snippet?

    letters = ['a', 'b', 'c', 'd', 'e']

    letters[::-2]

    a. ['d', 'c', 'b']
    b. ['a', 'c', 'e']
    c. ['a', 'b', 'd']
    d. ==['e', 'c', 'a']==

11. Suppose list_items is [3, 4, 5, 20, 5, 25, 1, 3], then what is the result of list_items.

    remove(4)?

    a. 3, 5, 29, 5
    b. ==3, 5, 20, 5, 25, 1, 3==
    c. 5, 20, 1, 3
    d. 1, 3, 25

12. Find the output of the following code.

    matrix= [[1,2,3],[4,5,6]]

    v = matrix[0][0]

```
    for row in range(0, len(matrix)):

        for column in range(0, len(matrix[row])):

            if v < matrix[row][column]:

                v = matrix[row][column]

        print(v)
```

a. 3
b. 5
c. <mark>6</mark>
d. 33

13. Gauge the output of the following.

```
    matrix = [[1, 2, 3, 4],

              [4, 5, 6, 7],

              [8, 9, 10, 11],

              [12, 13, 14, 15]]

    for i in range(0, 4):

        print(matrix[i][1])
```

a. 1 2 3 4
b. 4 5 6 7
c. 1 3 8 12
d. <mark>2 5 9 13</mark>

14. What will be the output of the following?

```
    data = [[[1, 2], [3, 4]], [[5, 6], [7, 8]]]

    print(data[1][0][0])
```

a. 1
b. 2
c. 4
d. <mark>5</mark>

15. The list function that inserts the item at the given index after shifting the items to the right is

a. sort()
b. index()
c. <mark>insert()</mark>

d. append()

16. The method that is used to count the number of times an item has occurred in the

list is

a. count()
b. len()
c. length()
d. extend()