**In the name of Allah**

**Sixth season of intorduction to python**

**Multiple Choice Questions**

1. The statement that creates the list is

a. superstore = list()

b. superstore = []

c. superstore = list([1,2,3])

**d. All of the above**

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

**a. 5**

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

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

max(islands)

**c. 546**

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. All of these**

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

**c. ['lion', 'tiger', 'lion', 'tiger']**

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

**b. zoo.append("snake")**

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

**b. zoo. insert(2, "snake")**

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

**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)?

**c. [3, 5, 20, 5, 25, 1, 3]**

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

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

letters[::-2]

**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)?

**b. 3, 5, 20, 5, 25, 1, 3**

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**

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])
```

**d. 2 5 9 13**

14. What will be the output of the following?

```
data = [[[1, 2], [3, 4]], [[5, 6], [7, 8]]]
print(data[1][0][0])
```

**d. 5**

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

**c. insert()**

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

**a. count()**