Multiple Choice Questions (List)

1. List can contain values of these types :

    (a) integers   (b) floats

    (c) lists   (d) tuples

    (e) all of these

2. Which of the following will create an empty list ?

    (a) L = [ ]   (b) L = list(0)

    (c) L = list( )   (d) L = List(empty)

3. Which of the following will return the last element of a list L with 5 elements ?

    (a) L[5]   (b) L[4]

    (c) L [–1]   (d) L[6]

4. If L = [1, 2] then L * 2 will yield

    (a) [1, 2] * 2   (b) [1, 2, 2]

    (c) [1, 1, 2, 2]   (d) [1, 2, 1, 2]

5. If L1 = [1, 3, 5] and L2 = [2, 4, 6] then L1 + L2 will yield

    (a) [1, 2, 3, 4, 5, 6]   (b) [1, 3, 5, 2, 4, 6]

    (c) [3, 7, 11]   (d) [1, 3, 5, [2, 4, 6]]

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6. Given a list L= [10, 20, 30, 40, 50, 60, 70], what would L[1 : 4] return ?

    (a) [10, 20, 30, 40] (b) [20, 30, 40, 50]

    (c) [20, 30, 40]   (d) [30, 40, 50]

7. Given a list L= [10, 20, 30, 40, 50, 60, 70], what would L[2 : –2] return ?

    (a) [10, 20, 30, 40] (b) [20, 30, 40, 50]

    (c) [20, 30, 40]   (d) [30, 40, 50]

8. Given a list L= [10, 20, 30, 40, 50, 60, 70], what would L[–4 : –1] return ?

    (a) [20, 30, 40]   (b) [30, 40, 50]

    (c) [40, 50, 60]   (d) [50, 60, 70]

9. Given a list L= [10, 20, 30, 40, 50, 60, 70], what would L[–3 : 99] return ?

    (a) [20, 30, 40]   (b) [30, 40, 50]

    (c) [40, 50, 60]   (d) [50, 60, 70]

10. To find the last element of list namely 'smiles' in Python, _____ will be used.

    (a) smiles[0]   (b) smiles[-1]

    (c) smiles[lpos]   (d) smiles[:-1]

11. Out of the following, what is correct syntax to copy one list into another ?

(a) listA = listB[ ]

(b) listA = listB[:]　(c) listA = listB[ ]( )

(d) listA = list(listB)

12. What is printed by the Python code ?

```
print(list(range(3)))
```

(a) [0, 1, 2, 3]　(b) [1, 2, 3]

(c) [0, 1, 2]　(d) 0, 1, 2

13. Which of the following commands will create a list ?

(a) list1 = list( )　(b) list1 = [ ]

(c) list1 = list([1, 2, 3])　(d) all of these

14. What is the output when we execute list("hello") ?

(a) ['h', 'e', 'l', 'l', 'o'].

(b) ['hello'].　(c) ['llo'].

(d) ['olleh'].

15. What gets printed ?

```
names = ['Hasan', 'Balwant', 'Sean', 'Dia']
print(names[-1][-1])
```

(a) H　(b) n

(c) Hasan　(d) Dia　(e) a

16. What is the output of the following

```
l = [None] * 10
print(len(l))
```

(a) 10　(b) 0

(c) Syntax Error　(d) None

17. Consider the list aList = ["SIPO", [1, 3, 5, 7]]. What would the following code print ?

```
print( aList[0][1] , aList[1][1])
```

(a) S, 3　(b) S, 1

(c) I, 3　(d) I, 1

18. Which of the following is a standard Python library function and not an exclusively list function ?

(a) append( )　(b) remove( )

(c) pop( )　(d) len( )

19. Which of the following can add only one value to a list ?

(a) add( )　(b) append( )

(c) extend( )　(d) none of these

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20. Which of the following can add a list of elements to a list ?

    (*a*) add( )   (*b*) append( )

    (*c*) extend( )   (*d*) none of these

21. Which of the following will always return a list ?

    (*a*) max( )   (*b*) min( )

    (*c*) sort( )   (*d*) sorted( )

22. Which of the following can delete an element from a list if the index of the element is given ?

    (*a*) pop( )   (*b*) remove( )

    (*c*) del   (*d*) all of these

23. Which of the following can delete an element from a list, if its value is given ?

    (*a*) pop( )   (*b*) remove( )

    (*c*) del   (*d*) all of these

24. Which of the following searches for an element in a list and returns its index ?

    (*a*) search( )   (*b*) find( )

    (*c*) index( )   (*d*) lsearch( )

25. Which of the following can copy a list to another list ?

    (*a*) list( )   (*b*) new( )

    (*c*) copy( )   (*d*) = operator