# Rajalakshmi Engineering College

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## NeoColab_REC_CS23221_Python Programming

### REC_Python_Week 5_MCQ

Attempt : 1
Total Mark : 20
Marks Obtained : 18

## Section 1 : MCQ

1.  What is the result of print(type({}) is set)?

*Answer*

False

*Status :* Correct                                                                    *Marks : 1/1*

2.  What is the output of the following code?

```
a=(1,2,(4,5))
b=(1,2,(3,4))
print(a<b)
```

*Answer*

Error, &lt; operator is valid for tuples but not if there are sub-tuples

*Status :* Wrong                                                      *Marks : 0/1*

3.   What is the output of the following code?

```
a={"a":1,"b":2,"c":3}
b=dict(zip(a.values(),a.keys()))
print(b)
```

*Answer*

{1: 'a', 2: 'b', 3: 'c'}

*Status :* Correct                                                    *Marks : 1/1*

4.   What is the output of the below Python code?

```
list1 = [1, 2, 3]
list2 = [5, 6, 7]
list3 = [10, 11, 12]
set1 = set(list2)
set2 = set(list1)
set1.update(set2)
set1.update(list3)
print(set1)
```

*Answer*

{1, 2, 3, 5, 6, 7, 10, 11, 12}

*Status :* Correct                                                    *Marks : 1/1*

5.   Which of the following statements is used to create an empty tuple?

*Answer*

( )

*Status :* Correct                                                    *Marks : 1/1*

6.   If 'a' is a dictionary with some key-value pairs, what does a.popitem()

do?

**Answer**

Removes an arbitrary element

*Status :* Correct                                                    *Marks : 1/1*


7.  What is the output of the following?

set1 = {10, 20, 30, 40, 50}
set2 = {60, 70, 10, 30, 40, 80, 20, 50}
print(set1.issubset(set2))
print(set2.issuperset(set1))

**Answer**

TrueTrue

*Status :* Correct                                                    *Marks : 1/1*


8.  Predict the output of the following Python program

init_tuple_a = 1, 2, 8
init_tuple_b = (1, 2, 7)
set1=set(init_tuple_b)
set2=set(init_tuple_a)
print (set1 | set2)
print (init_tuple_a | init_tuple_b)

**Answer**

{1, 2, 7, 8}TypeError: unsupported operand type

*Status :* Correct                                                    *Marks : 1/1*


9.  Set s1 = {1, 2, 4, 3} and s2 = {1, 5, 4, 6}, find s1 &amp; s2, s1 - s2, s1 | s2
and s1 ^ s2.

**Answer**

s1&amp;s2 = {1, 4}s1-s2 = {2, 3}s1^s2 = {2, 3, 5, 6}s1|s2 = {1, 2, 3, 4, 5, 6}

10.  Which of the following isn't true about dictionary keys?

**Answer**

Keys must be integers

*Status :* Correct                                     *Marks : 1/1*

11.  What will be the output?

```
a={'B':5,'A':9,'C':7}
print(sorted(a))
```

**Answer**

['A', 'B', 'C'].

*Status :* Correct                                     *Marks : 1/1*

12.  What will be the output for the following code?

```
t1 = (1, 2, 4, 3)
t2 = (1, 2, 3, 4)
print(t1 < t2)
```

**Answer**

False

*Status :* Correct                                     *Marks : 1/1*

13.  Suppose t = (1, 2, 4, 3), which of the following is incorrect?

**Answer**

t[3] = 45

*Status :* Correct                                     *Marks : 1/1*

14. Which of the following is a Python tuple?

*Answer*

(1, 2, 3)

*Status :* Correct                                                                    *Marks : 1/1*

15. What will be the output of the following program?

```
set1 = {1, 2, 3}
set2 = set1.copy()
set2.add(4)
print(set1)
```

*Answer*

{1, 2, 3}

*Status :* Correct                                                                    *Marks : 1/1*

16. Which of the statements about dictionary values is false?

*Answer*

Values of a dictionary must be unique

*Status :* Correct                                                                    *Marks : 1/1*

17. What will be the output for the following code?

```
a=(1,2,3)
b=('A','B','C')
c=zip(a,b)

print(c)
print(tuple(c))
```

*Answer*

((1, 'A'), (2, 'B'), (3, 'C'))

*Status :* Correct                                                                    *Marks : 1/1*

18.  What is the output of the following code?

```
a={1:"A",2:"B",3:"C"}
b=a.copy()
b[2]="D"
print(a)
```

*Answer*

{1: 'A', 2: 'D', 3: 'C'}

*Status :* Wrong                                    *Marks : 0/1*


19.  What will be the output of the following code?

```
a=(1,2,3,4)
print(sum(a,3))
```

*Answer*

13

*Status :* Correct                                  *Marks : 1/1*


20.  Fill in the code in order to get the following output.

Output:

Tuple: (1, 3, 4)

Max value: 4

```
t=(1,)
_____
print("Tuple:" ,t)
print("Max value:",_____)
```

*Answer*

1) t=t+(3,4)2) max(t)

*Status :* Correct                                  *Marks : 1/1*