

# Rajalakshmi Engineering College

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## NeoColab\_REC\_CS23221\_Python Programming

### REC\_Python\_Week 5\_MCQ

Attempt : 1  
Total Mark : 20  
Marks Obtained : 19

#### Section 1 : MCQ

1. 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**

2. 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

3. What is the output of the following code?

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

**Answer**

False

**Status :** Correct

**Marks :** 1/1

4. 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

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

**Answer**

False

**Status :** Correct

**Marks :** 1/1

6. Which of the following is a Python tuple?

**Answer**

(1, 2, 3)

**Status :** Correct

**Marks :** 1/1

7. 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

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

**Answer**

Keys must be integers

**Status :** Correct

**Marks :** 1/1

9. 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**

10. Set  $s1 = \{1, 2, 4, 3\}$  and  $s2 = \{1, 5, 4, 6\}$ , find  $s1 \& s2$ ,  $s1 - s2$ ,  $s1 \cup s2$  and  $s1 \Delta s2$ .

**Answer**

$s1 \& s2 = \{1, 4\}$   $s1 - s2 = \{2, 3\}$   $s1 \Delta s2 = \{2, 3, 5, 6\}$   $s1 \cup s2 = \{1, 2, 3, 4, 5, 6\}$

**Status : Correct**

**Marks : 1/1**

11. 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**

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

**Answer**

()

**Status : Correct**

**Marks : 1/1**

13. 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: 'B', 3: 'C'}

**Status :** Correct

**Marks :** 1/1

14. 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

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

**Answer**

t[3] = 45

**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 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**

FalseFalse

**Status : Wrong**

**Marks : 0/1**

18. What will be the output?

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

**Answer**

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

**Status : Correct**

**Marks : 1/1**

19. 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**

20. 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**