Rajalakshmi Engineering College

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NeoColab_REC_CS23221_Python Programming

REC_Python_Week 5_MCQ

Attempt : 1
Total Mark : 20
Marks Obtained : 14

Section 1 : MCQ

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

Answer

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

Status : Correct   *Marks : 1/1*

2.   What will be the output?

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

Answer

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

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

Answer

( )

Status : Correct   *Marks : 1/1*

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

Answer

Removes the key-value pair for the key given as an argument

Status : Wrong   *Marks : 0/1*

6.   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*

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

Answer

Values of a dictionary must be unique

Status : Correct   *Marks : 1/1*

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

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

Answer

{1,2,3,4}

Status : Wrong   *Marks : 0/1*

9. Which of the following is a Python tuple?

Answer

(1, 2, 3)

Status : Correct   *Marks : 1/1*

10. 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*

11. 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*

12. 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*

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

Answer

t[3] = 45

Status : Correct   *Marks : 1/1*

14. 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*

15.   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*

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

Answer

True

Status : Wrong   *Marks : 0/1*

17.   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*

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

Answer

Keys must be immutable

Status : Wrong   *Marks : 0/1*

19.   What is the output of the following code?

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

Answer

Error, < operator is valid for tuples but not if there are sub-tuples

Status : Wrong   *Marks : 0/1*

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*