

Rajalakshmi Engineering College

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Batch: 2028

Degree: B.E - CSE

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NeoColab_REC_CS23221_Python Programming

REC_Python_Week 4_MCQ

Attempt : 1

Total Mark : 15

Marks Obtained : 14

Section 1 : MCQ

1. What will be the output of the following Python code?

```
def is_even(number):  
    if number % 2 == 0:  
        return True
```

```
result = is_even(6)  
print(result)
```

Answer

True

Status : Correct

Marks : 1/1

2. What is the output of the code shown below?

```
def f1(x):  
    x += 1  
    print(x)
```

```
global_variable = 15  
f1(global_variable)  
print("hello")
```

Answer

16hello

Status : Correct

Marks : 1/1

3. What is the output of the code shown?

```
def f():  
    global a  
    print(a)  
    a = "hello"  
    print(a)  
a = "world"  
f()  
print(a)
```

Answer

worldhellohello

Status : Correct

Marks : 1/1

4. What is the main advantage of using lambda functions in Python?

Answer

They allow you to write shorter code than regular functions

Status : Correct

Marks : 1/1

5. What will be the output of the following Python code?

```
def cube(x):  
    return x * x * x  
x = cube(3)  
print(x)
```

Answer

27

Status : Correct

Marks : 1/1

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

```
def square(x):  
    return x ** 2  
  
result = square(4)  
print(result)
```

Answer

16

Status : Correct

Marks : 1/1

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

```
def my_function(x):  
    x += 5  
    return x  
  
a = 10  
result = my_function(a)  
print(a, result)
```

Answer

10 15

Status : Correct

Marks : 1/1

8. What will be the output of the following Python code?

```
def absolute_value(x):  
    if x < 0:  
        return -x  
    return x  
  
result = absolute_value(-9)  
print(result, absolute_value(5))
```

Answer

9 5

Status : Correct

Marks : 1/1

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

```
def add(a, b=2):  
    return a - b  
  
result = add(3)  
print(result)
```

Answer

1

Status : Correct

Marks : 1/1

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

```
num = -5  
result = abs(num)  
print(result)
```

Answer

5

Status : Correct

Marks : 1/1

11. What keyword is used to define a lambda function in Python?

Answer

lambda

Status : Correct

Marks : 1/1

12. What will be the output of the following Python code?

```
def maximum(x, y):  
    if x > y:  
        return x  
    elif x == y:  
        return 'The numbers are equal'  
    else:  
        return y
```

```
print(maximum(2, 3))
```

Answer

3

Status : Correct

Marks : 1/1

13. What will be the output of the following Python code?

```
multiply = lambda x, y: x * y  
print(multiply(2, 'Hello'))
```

Answer

HelloHello

Status : Correct

Marks : 1/1

14. What will be the output of the following Python code?

```
def func(a, b=5, c=10):  
    print('a is', a, 'and b is', b, 'and c is', c)
```

```
func(3, 7)
func(25, c = 24)
func(c = 50, a = 100)
```

Answer

a is 3 and b is 7 and c is 10
a is 25 and b is 5 and c is 24
a is 100 and b is 5 and c is 50

Status : Correct

Marks : 1/1

15. Which of the following functions can take a lambda function as a parameter in Python?

Answer

All of the mentioned options

Status : Wrong

Marks : 0/1