

# Rajalakshmi Engineering College

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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 code?

```
number = 7  
result = abs(number) + pow(number, 2)  
print(result)
```

**Answer**

56

**Status :** Correct

**Marks :** 1/1

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

**Answer**

lambda

**Status :** Correct

**Marks :** 1/1

3. 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

4. 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

5. 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

6. 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

7. 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

8. What is the output of the code shown?

```
def f1():  
    global x  
    x+=1  
    print(x)  
x=12  
print("x")
```

**Answer**

x

**Status :** Correct

**Marks :** 1/1

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

```
value = 42
result = abs(value) + len(str(value))
print(result)
```

**Answer**

44

**Status :** Correct

**Marks :** 1/1

10. 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

11. 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

12. 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

13. 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

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

```
num1 = 10
```

```
num2 = -10
```

```
result = abs(num1) + abs(num2)
```

```
print(result)
```

**Answer**

20

**Status :** Correct

**Marks :** 1/1

15. 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