

29/30

Question 1

1

Which of the following is not a Python data type?

☐ List

☐ Dictionary

☒ Table☐ Tuple

Question 2

1

What is the output of the following code?

```
x = 5
```

```
y = 3
```

```
print(x % y)
```

☒ 2☐ 1☐ 0☐ 3

Question 3

1

Which of the following is a conditional statement in Python?

☐ while☐ for☒ if☐ break

Question 4

1

What is the output of the following code?

```
fruits = ["apple", "banana", "cherry"]
```

```
print(fruits[1])
```

☐ apple☐ cherry☒ banana☐ ["apple", "banana", "cherry"]

Question 5

1

Which of the following is a valid way to define a function in Python?

☐ function name(parameters) { }☒ def function_name(parameters):☐ function name(parameters):☐ define function_name(parameters):

Question 6

1

What is the output of the following code?

```
x = 5
```

```
y = 3
```

```
if x > y:
```

```
    print("x is greater than y")
```

```
else:
```

```
    print("y is greater than x")
```

☒ x is greater than y☐ y is greater than x☐ 5 is greater than 3

☐ The code will produce an error.

Question 7

1

Which of the following is used to repeat a block of code as long as a certain condition is true?

☐ if statement

☐ for loop

☒ while loop

☐ break statement

Question 8

1

What is the output of the following code?

```
x = 5
```

```
y = 3
```

```
print(x + y * 2)
```

☒ 11

☐ 13

☐ 16

☐ 8

Question 9

1

Which of the following is used to remove an item from a list in Python?

☐ add()

☐ append()

☒ remove()☐ delete()

Question 10

1

What is the output of the following code?

```
x = 5
```

```
y = "Hello"
```

```
print(str(x) + y)
```

☒ 5Hello☐ Hello5☐ 10☐ The code will produce an error.

Question 11

1

What is the maximum length of a Python identifier?

☐ 32☐ 16☐ 128☒ No Fixed Length is specified

Question 12

1

What will be the output of the following code snippet?

```
print(2**3 + (5 + 6)**(1 + 1))
```

☒ 129☐ 8☐ 121☐ None of the above

Question 13

1

What will be the datatype of the var in the below code snippet?

```
var = 10
```

```
print(type(var))
```

```
var = "Hello"
```

```
print(type(var))
```

☐ str and int☐ int and int☐ str and int☒ int and str

Question 14

1

How is a code block indicated in Python?

☐ Brackets☒ Indentation☐ Key☐ None of the above

Question 15

1

What will be the output of the following code snippet?

```
a = [1, 2, 3]
```

```
a = tuple(a)
```

```
a[0] = 2
```

```
print(a)
```

☐ [2,2,3]

☐ (2,2,3)

☐ (1,2,3)

☒ Error

Question 16

1

What will be the output of the following code snippet?

```
print(type(5 / 2))
```

```
print(type(5 // 2))
```

☒ float and int

☐ int and float

☐ float and float

☐ int and int

Question 17

1

What will be the output of the following code snippet?

```
a = [1, 2, 3, 4, 5]
```

```
sum = 0
```

```
for ele in a:
```

```
    sum += ele
```

```
print(sum)
```

☒ 15☐ 0☐ 20☐ None

Question 18

1

What will be the output of the following code snippet?

```
count = 0
```

```
while(True):
```

```
if count % 3 == 0:
```

```
print(count, end = " ")
```

```
if(count > 15):
```

```
break;
```

```
count += 1
```

☐ 0 1 215☐ Infinite Loop☒ 0 3 6 9 12 15☐ 0 3 6 9 12

Question 19

1

Which of the following concepts is not a part of Python?

☒ Pointers☐ Loops

☐ Dynamic Typing☐ All the above

Question 20

1

What will be the output of the following code snippet?

```
def solve(a, b):  
    return b if a == 0 else solve(b % a, a)  
print(solve(20, 50))
```

☒ 10☐ 20☐ 50☐ 1

Question 21

1

What will be the output of the following code snippet?

```
def solve(a):  
    a = [1, 3, 5]  
    a = [2, 4, 6]  
    print(a)  
    solve(a)  
    print(a)
```

☐ [2,4,6][2,4,6]☒ [2,4,6][1,3,5]☐ [1,3,5][1,3,5]

☐ None

Question 22

1

What will be the output of the following code snippet?

```
def func():
```

```
    global value
```

```
    value = "Local"
```

```
    value = "Global"
```

```
func()
```

```
print(value)
```

☒ local☐ Global☐ None☐ Cannot be predicted

Question 23

1

Which of the following statements are used in Exception Handling in Python?

☐ try☐ except☐ finally☒ All of the above

Question 24

1

What will be the output of the following code snippet?

```
a = 3
```

```
b = 1
```

```
print(a, b)
```

```
a, b = b, a
```

```
print(a, b)
```

☒ 3 1 1 3

☐ 3 1 3 1

☐ 1 3 1 3

☐ 1 3 3 1

Question 25

1

Which of the following types of loops are not supported in Python?

☐ for

☐ while

☒ do - while

☐ None

Question 26

1

What will be the output of the following code snippet?

```
def thrive(n):
```

```
    if n % 15 == 0:
```

```
        print("thrive", end = " ")
```

```
    elif n % 3 != 0 and n % 5 != 0:
```

```
        print("neither", end = " ")
```

```
    elif n % 3 == 0:
```

```
        print("three", end = " ")
```

```
    elif n % 5 == 0:
```

```
print("five", end = " ")
```

```
thrive(35)
```

```
thrive(56)
```

```
thrive(15)
```

```
thrive(39)
```

☒ five neither thrive three

☐ five neither three thrive

☐ three three three three

☐ five neither five neither

Question 27

1

What will be the output of the following code snippet?

```
def check(a):
```

```
print("Even" if a % 2 == 0 else "Odd")
```

```
check(12)
```

☒ Even

☐ Odd

☐ Error

☐ None

Question 28

1

What will be the type of the variable `sorted_numbers` in the below code snippet?

```
numbers = (4, 7, 19, 2, 89, 45, 72, 22)
```

```
sorted_numbers = sorted(numbers)
```

```
print(sorted_numbers)
```

☒ List☐ Tuple☐ String☐ Int

Question 29

1

What will be the output of the following code snippet?

```
numbers = (4, 7, 19, 2, 89, 45, 72, 22)
```

```
sorted_numbers = sorted(numbers)
```

```
even = lambda a: a % 2 == 0
```

```
even_numbers = filter(even, sorted_numbers)
```

```
print(type(even_numbers))
```

☒ filter☐ int☐ list☐ tuple

Question 30

1

What will be the output of the following code snippet?

```
dict1 = {'first': 'sunday', 'second': 'monday'}
```

```
dict2 = {1: 3, 2: 4}
```

```
dict1.update(dict2)
```

```
print(dict1)
```

☒ {'first': 'sunday', 'second': 'monday', 1: 3, 2: 4}☐ {'first': 'sunday', 'second': 'monday'}

☐ {1:3,2:4}

☐ None of the above