Attempting all the questions is important. Questions include multiple choice as well as coding part.

# **Python Flow Control ( If Else and Loops)**

* The quiz contains **13 Questions**. Solve **8** correct to pass the test.
* You will have to read all the given answers and click over the correct answer.

1. if -3 will evaluate to True

True

False

ANS: TRUE

2. Given the nested if-else below, what will be the value x when the code executed successfully

x = 0

a = 5

b = 5

if a > 0:

if b < 0:

x = x + 5

elif a > 5:

x = x + 4

else:

x = x + 3

else:

x = x + 2

print(x)

0

4

2

3

ANS:3

3. What is the output of the following nested loop?

for num in range(10, 14):

for i in range(2, num):

if num%i == 1:

print(num)

break

Option 1: 10

11

12

13

Option 2 :11

13

ANS: OPTION 1

4. What is the output of the following loop

for l in 'Jhon':

if l == 'o':

pass

print(l, end=", ")

J, h, n,

J, h, o, n,

ANS: J,h,o,n

5. What is the value of x after the following nested for loop completes its execution

x = 0

for i in range(10):

for j in range(-1, -10, -1):

x += 1

print(x)

* 99
* 90
* 100
* Ans:90

6. Select which is true for for loop

Python’s for loop used to iterates over the items of list, tuple, dictionary, set, or string

else clause of for loop is executed when the loop terminates naturally

else clause of for loop is executed when the loop terminates abruptly

We use for loop when we want to perform a task indefinitely until a particular condition is met

Ans: 1 Python’s for loop used to iterates over the items of list, tuple, dictionary, set, or string

7. What is the output of the following if statement

a, b = 12, 5

if a + b:

print('True')

else:

print('False')

False

True

Ans:TRUE

8. Given the nested if-else structure below, what will be the value of x after code execution completes

x = 0

a = 0

b = -5

if a > 0:

if b < 0:

x = x + 5

elif a > 5:

x = x + 4

else:

x = x + 3

else:

x = x + 2

print(x)

* 2
* 0
* 3
* 4
* ANS:2

9. What is the output of the following for loop and range() function

for num in range(-2,-5,-1):

print(num, end=", ")

* -2, -1, -3, -4
* -2, -1, 0, 1, 2, 3,
* -2, -1, 0
* -2, -3, -4,
* ANS: -2,-3,-4

10. What is the value of the var after the for loop completes its execution

var = 10

for i in range(10):

for j in range(2, 10, 1):

if var % 2 == 0:

continue

var += 1

var+=1

else:

var+=1

print(var)

* 20
* 21
* 10
* 30
* ANS:21

11. What is the output of the following nested loop

numbers = [10, 20]

items = ["Chair", "Table"]

for x in numbers:

for y in items:

print(x, y)

Option 1: 10 Chair

10 Table

20 Chair

20 Table

Option 2 10 Chair

10 Table

ANS:OPTION 1

12. What is the output of the following range() function

for num in range(2,-5,-1):

print(num, end=", ")

2, 1, 0

2, 1, 0, -1, -2, -3, -4, -5

2, 1, 0, -1, -2, -3, -4

ANS: 2, 1, 0, -1, -2, -3, -4

13. What is the value of x

x = 0

while (x < 100):

x+=2

print(x)

101

99

None of the above, this is an infinite loop

100

ANS:100