1. if -3 will evaluate to True

 True

 False

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: 10,11,12,13

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 : 1ST OPTION

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 : 10 CHAIR,10TABLE,10CHAIR,10TABLE

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