1. 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

2. if -3 will evaluate to True

 True

 False

3. 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

4. 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

5. 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

6. 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)

A) 10 Chair, 10 Table, 20 Chair, 20 Table

B) 10 Chair, 10 Table

C) 10 Chair, 20 Table

7. 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

8. What is the output of the following if statement

a, b = 12, 5

**if** a + b:

**print**('True')

**else**:

**print**('False')

 False

 True

9. 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**

 10,11,12,13

 11,13

10. 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

11. 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,

12. 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

13. 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,

14. What is the output of the following code

**def** func1():

x = 50

**return** x

func1()

**print**(x)

 50

 NameError

 None

 0

15. What is the result of print(type([]) is list)

 False

 True

16. What is the data type of the following

aTuple = (1, 'Jhon', 1+3j)

**print**(**type**(aTuple[2:3]))

 list

 complex

 tuple

17. What is the output of the following variable assignment?

x = 75

**def** myfunc():

x = x + 1

**print**(x)

myfunc()

**print**(x)

 Error

 76

 1

 None

18. What is the data type of print(type(0xFF))

 number

 hexint

 hex

 int

19. In Python 3, what is the output of type(range(5)). (What data type it will return).

 int

 list

 range

 None

2. Use the following file to predict the output of the code

**test.txt Content**:

aaa

bbb

ccc

ddd

eee

fff

ggg

**Code**:

f = **open**("test.txt", "r")

**print**(f.readline(3))

f.close()

 bbb

 Syntax Error

 aaa

 aa

21. Select all the valid String creation in Python

 str1 = 'str1',str1 = "str1",str1 = '''str'''

 str1 = 'str1', str1 = "str1"", str1 = '''str1''

 str1 = str(Jessa)

22. Select all the right ways to create a string literal Ault'Kelly

 str1 = 'Ault\\'Kelly'

 str1 = 'Ault\'Kelly'

 str1 = """Ault'Kelly"""

23)  What is the output of the following code?

x = 50

**def** fun1():

x = 25

**print**(x)

fun1()

**print**(x)

 NameError

 25, 25

 25, 50

**24)** What is the output of print (type ({}) is set)

 True

 False

25. What is the data type of print (type (10))

 float

 integer

 int

26. What is the output of the following code

**print**(0b101)

**print**(0o10)

**print**(0x1F)

 101, 10,1F

 5,8,31

 Syntax Error: Invalid Token

27. What is the output of the following number conversion

z = complex(1.25)

 (1.25+0j)

 Value Error: Missing an imaginary part of a complex number

28. Select which is right for Python integers

 An integer is a whole number that can be positive or negative

 In Python 3, Integers have unlimited precision

29. What is the output of the following round() function call

**print**(**round**(100.2563, 3))

**print**(**round**(100.000056, 3))

 100.256,100

 100.256, 100.000

 100.256, 100.0

30. What is the output of the following number comparison function call

print( (1.1 + 2.2) == 3.3 )

 True

 False

31. In Python 3, the integer ranges from **-2,147,483,648** to **+2,147,483,647**

 False

 True

32. What is the output of the following math function

**import** math

**print**(math.ceil(252.4))

**print**(math.floor(252.4))

 252,252

 252,253

 253,252

33. What is the output of the following code

print(int(2.999))

 ValueError: invalid literal for int()

 3

 2

34. Select correct float numbers

 a = 10.1256, b = -10.5

 c = 42e3, d = -68.7e100

35. What is the type of the following variable

x = -5j

 int

 complex

 real

 imaginary

36. What is the output of print(abs(-45.300))

 45.3

 -45.3

 -45.300

 45.300