1) X = ["Feb", Apr, Mar, May, Jun, Jul, Aug,Jan]

print(X\_\_?\_\_)

Output: 2

1) .index('Mar')

2) .index('Jan')

3) .index('Apr')

2) Given the following list X, what does X[0] return?

X = [ 2, 5 ,4, 0, 7 , 1]

1) 4

2) 5

3) 2

4) 1

3) print the occurrences of string 'a' in list x

X = [ 'c' , 'b', 'c', 'c', 'c', 'a']

print( x\_\_?\_\_)

Output : 1

1) .count("a")

2) .count("b")

3) . count ("c")

4) X = [11, 12, 13, 14]

Y=X

Y[2:4] = 15,16

print(X)

1) [15, 16, 13, 14]

2) [11, 15, 16, 14]

3) [11, 12, 13, 14]

4) [11, 12, 15, 16]

5) Remove the correct number from the list X

X = [ 9,2,8,4,5]

X\_\_?\_\_

print (X)

Output: [2,8,4,5]

1) .delete(9)

2) .rm(9)

3) .remove(9)

6) q = [17, 25, 42, 35, 47, 45]

\_\_?\_\_( min(q))

1) output

2) print

3)display

7) p = [ 'x', 'k']

q = p \_\_?\_\_ ['z']

print(q)

Output: ['x', 'k', 'z']

1) +

2) \*\*

3) \*

4) -

8) [3,13,11]

1) X = [18,8,3,13,11,9,7]

print( X[2:5])

2) X = [18,8,3,13,11,9,7]

print( X[0:5])

3) X = [18,8,3,13,11,9,7]

print( X[0:6])

9) p = 3

q = 'hello! '

print( q \_\_?\_\_ p)

hello! hello! hello!

1) \*

2) \*\*

3) +

10) y = "this is a random sentence"

print (y\_\_?\_\_)

Output: THIS IS A RANDOM SENTENCE

1) .upper()

2) .upcase()

3) .capitalize()

11) X = [ 'w' ,'x', 'u', 'e', 'x']

print( X[1:3] )

1) [ 'x', 'u']

2) [ 'u']

3) [ 'w' ,'x', 'u']

12) p = None

print(type(p))

1) <class 'Nonetype' >

2) <class 'float'>

3) <class 'str'>

13) Output: 12

1) p = 8

q = 4

print(p \* q)

2) p = 8

q = 4

print(p + q)

3) p = 8

q = 4

print(p - q)

14) What are the optional arguments to the function?

function\_1(R1, q, p=None, R2= None)

1) q and R2

2) p and R2

3) p and R1

4) R1 and q

15) Which command invokes method X() of the object p?

1) X(p)

2) p$x()

3) X().p

4) p.x()

16) p = [ 'j', 'x', 'n', 'k','e', 'x']

\_\_?\_\_(p[3:5])

print (p)

Output: ['j', 'x', 'n','x']

1) cut

2) delete

3) replace

4) del

5) remove

6) rm

17) Output: 2

1) X=4

Y= 2

print(X % Y)

2) X=6

Y= 4

print(X / Y)

3) X=6

Y= 4

print(X % Y)

18) Which of the following is the recommended method of assigning a value to a variable?

1) X <- 5

2) X is 5

3) X assign 5

4) X = 5

19) Reverse the order of elements in list y

Y = [ 1,3,5,11]

Y\_\_?\_\_

print(y)

Output: [11, 5, 3 , 1]

1) .reverse()

2) reverse

3) invert()

4) invert

20) Y = [ 15,15,14,9]

Y\_\_?\_\_

print(y)

Output: [ 15,15,14,9, 65]

1) .append(49)

2) .append(65)

3) .append(56)

21) which function is used to determine the days type of an object?

1) data.type()

2) class ()

3) type()

4) typeof()

22) Output: TV

1) X = ['n', 'z' , 'v ,'s' , 't', 'h' , 'o' ]

print ( X[-3] + X[-5] )

2) X = ['n', 'z' , 'v ,'s' , 't', 'h' , 'o' ]

print ( X[-2] + X[-5] )

3) X = ['n', 'z' , 'v ,'s' , 't', 'h' , 'o' ]

print ( X[-3] + X[-4] )

23) a = [ 2.54, 9.2, 3.84]

b = [ 'i', 'x', 'y']

c = [ 0, 0, 3]

print ( \_\_?\_\_)

Output: [['i','x','y],[0,0,3],[ 2.54, 9.2, 3.84]]

1) [a,c,b]

2) [b,c,a]

24) which command opens up the documentation from inside the Ipython shell for the len() function ?

1) find (len())

2) help ( len() )

3) help ( len)

4) doc ( len())

25) which symbol marks the beginning of a comment in python?

1) #

2) $

3) @

4) /\*

26) print the number of occurrences of letter 's' in z ?

Z = 'classification'

print ( z\_\_?\_\_)

Output: 2

1) .count('s')

2) .count('i')

3) .count ('a')

4) .count('e')

27) q = [ 8, 36, 31, 41, 40, 43]

print( \_\_?\_\_(q)

Output: 6

1) length

2) Len

3) shape

4) size

28) which command generates a valid python list?

1) X = [2.4. 6.0 + 2]

2) X = ['A', 'B' \* 2, 'C']

3) X = ['A', 'B' \* 2, , 'C']

4) X = [ , 2, 5,7]

29) p = [ 0, 5, 15, 5, 10, 8]

print(\_\_?\_\_( p, reverse = False))

Output: [ 0, 5, 5, 8, 10, 15]

1) np.order

2) sorted

3) order

4) np.sorted

5) sort

30) [1, 0, 1] + [ 2, 4, 6]

1) 14

2) 3

3) [ 1,0,1, 2,4,6]

4) [3,4,7]

31) Given the following list x, what does X[-1] return?

X = [ 2, 1, -4, 3, -1, 5]

1) 5

2) 1

3) 3

4) 2

32) which data type(s) can a list hold?

1) only strings

2) only integers and booleans

3) only floats and integers

4) any object

33) z = " automobile "

print( z.replace('\_\_?\_\_','\_\_?\_\_'))

1) 'o'

2) 'i'

3) '-'

4) 'a'

5) '\_'

6) 'e'

34) x=1

Print(\_\_?\_\_(x))

Output: True

1. Log
2. Int
3. Bool
4. Float

35) p = 7.01

Q = “p is: ”

print(q + \_\_?\_\_(p))

Output: p is: 7.01

1. Char
2. String
3. Str

36) x = [4, 4, 2, 1, 1, 6]

print( x[5] + x [4] )

1. 10
2. 5
3. 7

37) x = [[4, 1, 1], [5, 9, 0]]

for i in \_\_?\_\_:

for j in \_\_?\_\_:

print( j )

Output: 4

1

1

5

9

0

1. x [ 0:1 ]
2. np.nditer(x)
3. x
4. i
5. j

38) ratio\_to\_earth = { ‘mercury’ : { ‘gravity’ : 0.378} , ‘mars : \_\_?\_\_ }

print(ratio\_to\_earth)

Output: { ‘mercury’ : { ‘gravity’ : 0.378} , ‘mars : { ‘gravity’ : 0.377 } }

1. { ‘density’ : 0.951 }
2. { ‘density’ : 0.984 }
3. { ‘density’ : 0.713 }
4. { ‘gravity’ : 0.907 }
5. { ‘gravity’ : 0.377 }
6. { ‘gravity’ : 0.378 }

39) What is the output of the following command?

False < True

1. True
2. An error
3. False

40) (1 \_\_?\_\_ 15) and ( 15 < 25 )

Output: True

1. <
2. >

41) diameter = { \_\_?\_\_ 1 , ‘saturn’ : 9.45 }

print ( diameter)

Output: { ‘earth’ : 1 , ‘saturn’ : 9.45 }

1. ‘jupiter’ :
2. ‘earth’ :
3. ‘venus’ :
4. ‘mars’ :
5. ‘saturn’ :
6. ‘mercury’ :

42) x = [1, 6, 3]

\_\_?\_\_

print( str( j ) + ‘ km ‘ )

Output: 1 km

6 km

3 km

1. for j in x:
2. for x in j:

43) ( 8 > 16) or (16 \_\_?\_\_ 22 )

Output: False

1. >
2. <

44) X = [‘Jan’, ‘Jun’ , ‘Dec’ , ‘Mar’ ]

for month in \_\_?\_\_:

print(month)

Output: Jan

Jun

Dec

Mar

1. X
2. Y
3. Months

45) x = ‘G’

If x == ‘A’:

print(1)

elif x == ‘B’:

print(4)

\_\_?\_\_

print(10)

Output: 10

1. elif:
2. otherwise:
3. else:

46) q = [10.62, 16.14, 6.45, 17.11]

for \_\_?\_\_, z in enumerate (q) :

print( ‘Item ‘ + str( j ) + ‘ - ‘, str ( z ))

Output: Item 0 – 10.62

Item 1 – 16.14

Item 2 – 6.45

Item 3 – 17.11

1. z
2. i
3. j
4. x
5. k
6. y

47) x = ‘lazy’

for letter in x:

print( \_\_?\_\_ )

Output: l

a

z

y

1. y
2. x
3. words
4. letter

48) apples = [ [ 0, 9, 17] , [ 23, 34, 11] , [ 26, 26, 31 ] ]

for x in apples:

print(\_\_?\_\_)

Output: 17

11

31

1. x[0]
2. x[1]
3. x[2]

49) fruits = { ‘apples’ : { ‘cost’ : 3 , ‘units’: 100} , ‘bananas’ : { ‘cost’ : 1, ‘units’ : 80 }, ‘grapes’ : { ‘cost’ : 5 , ‘units’ : 500 } }

print( fruits [ ‘bananas’ ] \_\_?\_\_ )

Output: 1

1. .keys()
2. [ ‘cost’ ]
3. [ ‘units’ ]
4. .values()
5. [ ‘bananas’ ]
6. [ ‘grapes’ ]

50) What is the output of the following command?

‘Python’ == ‘python’

1) An error

2) False

3) True

51) i = 1

while I < 4 :

i = i + 1

\_\_?\_\_

Output: 2

3

4

1. print ( 2 \* I )
2. print ( I )
3. print ( 3\* I )

52) score = 45

if score \_\_?\_\_ 70:

print ( ‘Pass! ‘ )

else:

print ( ‘Fail’ )

Output: Pass!

1. >
2. <

53) day = ‘sun’

\_\_?\_\_ day == ‘sun’:

print( ‘It is Sunday!’ )

Output: It is Sunday!

1. elif
2. maybe
3. if
4. when

54) area = [ 0.14, 4.74, 14.09, 6.13 ]

for index , x in enumerate ( area ) :

print( ‘Room ‘ + str ( \_\_?\_\_ ) + ‘ - ‘, str ( x ) )

Output: Room 1 - 0.14

Room 2 - 4.74

Room 3 - 14.09

Room 4 - 6.13

1. index – 1
2. index
3. index + 1