**Question 1**

What is a variable in Python?

A A reserved word

B A data type

C A location in memory to store data

D A function

**Question 2**

How do you declare a variable in Python?

A var x

B x = variable

C declare x

D x = 4

**Question 3**

What is the correct way to comment a single line in Python?

A  // This is a comment

B # This is a comment

C /\* This is a comment \*/

D -- This is a comment

**Question 4**

Which of the following is a valid variable name in Python?

A 1variable

B my\_variable

C global

D variable-1

**Question 5**

How do you swap the values of two variables in Python without using a third variable?

A  x = y; y = x

B x, y = y, x

C temp = x; x = y; y = temp

D x + y; y = x; x = y

**Question 6**

Which of the following data types is immutable in Python?

A List

B Tuple

C Set

D Dictionary

**Question 7**

What is the output of the following code?

x = 10  
y = 5  
z = x + y  
print(z)

A.10

B.15

C "10+5"

D.Error

**Question 8**

What does the type() function return in Python?

A The value of the variable

B The type of the variable

C The memory address of the variable

D The length of the variable

**Question 9**

What is the scope of a global variable in Python?

A Limited to the function it is defined in

B Limited to the module it is defined in

C Limited to the class it is defined in

D Limited to the block it is defined in

**Question 10**

How do you convert a string to an integer in Python?

A int(string)

B convert(int, string)

C str\_to\_int(string)

D stringToInt(string)

**Question 11**

What is the correct way to check if a variable is of a specific type in Python?

A type(var) == "int"

B var.type() == "int"

C isinstance(var, int)

D var.isint()

**Question 12**

What is the output of the following code?

x = 5  
y = 2  
print(x // y)

A 2.5

B 2

C 2.0

D 3

**Question 13**

How do you concatenate two strings in Python?

A str1 . str2

B str1 + str2

C str1 , str2

D concat(str1, str2)

**Question 14**

What is the output of the following code?

x = "Hello"  
print(x[1:4])

A "Hell"

B "ello"

C "ell"

D Error

**Question 15**

What is the purpose of the max() function in Python?

A To find the maximum value in a list

B To get the maximum length of a string

C To compare two variables

D To find the maximum of two numbers

**Question 16**

How do you find the length of a list in Python?

A len(list)

B length(list)

C list.length()

D count(list)

**Question 17**

How do you check if a key is present in a dictionary?

A key in dictionary

B key.exists(dictionary)

C dictionary.contains(key)

D has\_key(key, dictionary)

**Question 18**

What is the purpose of the enumerate() function in Python?

A To get the index and value of each item in an iterable

B To count the occurrences of an element in an iterable

C To enumerate through a list

D To enumerate through a dictionary

**Question 19**

What is the output of the following code?

x = [1, 2, 3, 4]  
y = filter(lambda a: a % 2 == 0, x)  
print(list(y))

A [1, 3]

B [2, 4]

C [1, 2, 3, 4]

D []

**Question 20**

How do you convert a list of strings to a single string in Python?

A "".join(list)

B str(list)

C convert(list, str)

D " ".join(list)

**Question 21**

How do you convert a floating-point number to an integer in Python?

A int(number)

B float\_to\_int(number)

C number.int()

D convert(int, number)

**Question 22**

How do you create a multiline string in Python?

A "This is a multiline string"

B 'This is a multiline string'

C """This is a multiline string"""

D(a and b)

**Question 23**

How do you create a dictionary using a comprehension in Python?

A {key: value for key, value in iterable}

B dict(iterable)

C create\_dict(iterable)

D {key, value in iterable}

**Question 24**

What is the purpose of the \_\_dict\_\_ attribute in Python?

A To access the dictionary of a list

B To store the attributes of an object

C To define a dictionary in Python

D To convert a dictionary to a list