	Match the following examples to the expected result	
	Prompts	
	Submitted Answers	
1.	1. 14//4	
2.	2. 14%4	
3.	3. 14.0/4 3.5	
2.	2. Question 2	
	What sequence will this generate? range(5, 10)	
1.	1.	
	5, 6, 7, 8, 9	
2.	2.	
	6, 7, 8, 9, 10	
3.	3.	
	5, 6, 7, 8, 9, 10	
4.	4.	
	6, 7, 8, 9	
3.	3. Question 3	
	Which of these loops will run 10 times?	
1.	1.	

1. Question 1

	i = 0 while i < 9: # do something i += 1
2.	
	i = 0 while i <= 10: # do something i += 1
3.	
	i = 0 while i < 10: # do something i += 1
4.	
	i = 0 while i < 11: # do something i += 1
4.	Question 4
	fruit = {"Banana": "Yellow", "Apple": "Red", "Watermelon": "Green"}
	Which code segment prints only the fruit colours stored in the fruit?
1.	
	for item in fruit.items(): print(item)
2.	
	for item in fruit.values():     print(item)
3.	
	print(fruit)

4.		
	for item in fruit.keys():     print(item)	
5.	Question 5	
	x = 4	
	y = 5	
	Which of the following is true?	
1.		
	not (x == 4)	
2.		
	not (x == 5)	
3.		
	not (y == 5)	
4.		
	x!=4	
6.	Question 6	
	Match the statement to the correct definition.	
	Prompts	
	Submitted Answers	
1.	What does the <b>break</b> statement do?	
2	Terminates the loop execution	
2.	What does the <b>continue</b> statement do?  Skips the current iteration and goes to the next iteration	
	of the loop	

7.	Question 7
	Which of the following is a relational operator?
1.	
	=
2.	
	All are relational operators
3.	
	=<
4.	
	<=
8.	Question 8
0.	Question o
	Which of the following expressions checks whether a value assigned to the <b>total</b> variable falls in the range 70 to 100?
1.	
	total >= 100 and total <= 70
2.	
	total >= 70 and <= 100
3.	
	total >= 70 and total <= 100
4.	
	total >= 70 or total <= 100

9.	Question 9
	registered = True
	Given the above, which of the following if statements includes a condition that evaluates to true?
1.	
	All answers are correct
2.	
	if registered:
3.	
	if registered = True:
4.	
	if registered == "True":
10.	Question 10
	If a user-defined function does not return a value, what will it return by default?
1.	
	None
2.	
	0
3.	
	An empty string
4.	
	True or False

## 11. Question 11

```
month = [['Jan', 'Feb', 'March'],
['April', 'May', 'June'],
['July', 'August', 'Sept'],
['Oct', 'Nov', 'Dec']]
```

How would you use indexing to to access the value **Sept**?

## month[2][2]

12.	Question 12
	How many times will the following run?
	for i in range(1,4): for j in range(1,4): # do something
1.	
	8
2.	
	9
3.	
	4
4.	
	6

13.	Question 13
	Which of the following function headers is valid?
1.	
	def sum(a = 2, b):
2.	
	All are valid
3.	
	All are invalid
4.	
	def sum(a, b = 3, c = 5):
5.	
	def sum(a = 2, b, c = 5):
14.	Question 14
	Which of the following will cause an error if $x = 2$ , $y = 12$ , and $z = 0$ ?
1.	
	y + 12
2.	
	x ** z
3.	
	None will cause an error
4.	
т.	y / z

5.	
	y % 3
15.	Question 15
	Which list method insert a new item to the end of an existing list?
1.	
	end()
2.	
	pop()
3.	
	append()
4.	
	push()
16	Question 16
10.	Question 10
	Which of the following is TRUE?
1.	
	Lists are immutable
2.	
	Dictionaries are immutable
3.	
	All answers are true

4.	
	Tuples are immutable
17.	Question 17
	Match the following definitions to the correct example.
	Prompts
	Submitted Answers
1.	Defines a TUPLE?
2.	("plum", "banana", "cherry") Defines a DICTIONARY?
3.	{"plum", "banana", "cherry"} Defines a LIST?
	["plum", "banana", "cherry"]
18.	Question 18
	What sequence will this generate? range(3, 10, 2)
1.	
	10, 8, 6, 4
2.	
	3 <mark>, 5, 7, 9</mark>
3.	
	3, 5, 7, 9, 3, 5, 7, 9
4.	
	9, 7, 5, 3

19.	Question 19
	You want to write a condition statement with multiple alternatives to print out the category of a mark entered by a user. What is wrong with the following?
	if mark < 50:
	print('Pass')
	if mark < 60:
	print('Merit') if mark < 101:
	print('Distinction')
1.	
	An else should always be included.
2.	
	The conditions should use chained conditionals with elif.
3.	
	The conditions are in the wrong order; the check for the highest bracket should be first.
4.	
	The condition statements will correctly print out the appropriate category.
20.	Question 20
	Which of the following is NOT a valid augmented assignment operator?
1.	
	*=
2.	
	+=
3.	
	x= (VE) Sure

4.	
	-=
21.	Question 21
	Which of the following elements of a mathematical expression in Python is evaluated first?
1.	
	Addition +
2.	
	Subtraction -
3.	
	Multiplication *
4.	
	Parenthesis ()
22.	Question 22
	A variable defined inside a function is referred to as a?
1.	
	block variable
2.	
	global variable
3.	
	function variable

4.	
	local variable
23.	Question 23
	s = "hello"
	Which of these is correct for the given string?
1.	
	upper(s) returns new string with all capital letters
2.	
	upper(s) returns a new string with the first letter as a capital letter
3.	
	s.upper() returns a new string with the first letter as a capital letter
4.	
	s.upper() returns new string with all capital letters
24.	Question 24
	Which list method inserts a new item at a specified index of an existing list?
1.	
	pop()
2.	
	insert()

3.	
	append()
4.	
	add()
25.	Question 25
	When was the following method of string formating introduced?
	<pre>print(f'This module is { module}')</pre>
1.	
	Python 3.6
2.	
	Python 2.6
3.	
	Python 3.0
4.	
	Python 2.0
26.	Question 26
	Which of the following expressions checks whether a value in <i>age</i> is either less than 18 or more than 65?
1.	
	age < 18 and age > 65
2.	
	age <= 18 or age >= 65

Not sure

3.	
٠.	
	age < 18 or age > 65
4.	
	age <= 18 and age >= 65
27.	Question 27
	Which errors can be handled using the tryexcept statement?
1.	
	Semantic errors
2.	
	All these errors can be handled using the tryexcept statement
3.	
٥.	
٥.	Syntax errors
	Syntax errors
4.	Syntax errors
4.	Syntax errors  Runtime errors  Question 28
4.	Syntax errors  Runtime errors  Question 28
4.	Syntax errors  Runtime errors  Question 28  Consider a function named calc. It accepts two integer arguments and returns their sum as an integer.

2.	
	total = calc(2,3)
3.	
	total = (2, 3)
4.	
	total = calc(2)
29.	Question 29
	Match the code to the expected result
	Prompts
	Submitted Answers
1.	numbers = [1, 2, 3, 4, 5, 6, 7]
	numbers.pop(4)
	[1, 2, 3, 4, 6, 7]
2.	numbers = [1, 2, 3, 4, 5, 6, 7]
	numbers.pop() [1, 2, 3, 4, 5, 6, 7]
30.	Question 30
	How would you access the substring 'duct'? s = 'Introduction'
	s[5:9]
31.	Question 31
	Which of the following is <b>NOT</b> a valid operation on a Python string variable?
1.	
	Changing a string. E.g., name[2] = 'u'

2.	
	Addition of strings. E.g., 'Hello' + ' World!'
3.	
	Indexing a string to get a single letter of the string. E.g., name = 'Maxim' name[0]
4.	
	Multiplication of string and integers. E.g., 'a' * 5
32.	Question 32
	Which of the following will put a string into variable s?
1.	
	String s = "Some Value"
2.	
	s = string("Enter value ")
3.	
	s = string(input("Enter value "))
4.	
	s = input("Enter value ")

33.	Question 33		
	Which of the following are TRUE?		
1.			
	The values of a dictionary can be accessed using keys		
2.			
	All the keys in a dictionary must be strings		
3.			
	The keys of a dictionary can be accessed using values		
4.			
	Items are accessed by their index position in a dictionary		