Name	:	Class:	Date:			
CST-	186	Chapter 4 Study Guide				
True/I Indica		e hether the statement is true or false.				
	1.	A sequence is an unordered group of elements.				
	2.	A string is a sequence of integers.				
	3.	The length of a sequence will be greater than the po	sition number of its last element.			
	4.	The second line in the following code is illegal. CONSTANT = "unchangeable" CONSTANT = "changed"				
	5.	The expression not None evaluates to True.				
	6.	The second line in the following code is illegal. word = "Python" print word[2:1]				
	7.	Tuples are mutable sequences.				
	8.	All elements in a tuple must be of the same type.				
	9.	Indexing of sequences begins at position number 0.				
	10.	You can index sequences using negative position nu	umbers.			
Multiple Choice Identify the choice that best completes the statement or answers the question.						
	11.	Given that i is an integer greater than 0, what does a. an empty sequence c. b. a sequence 0 through i, inclusive d.				

ID: A

12. Which of the following will return the value [10, 9, 8, 7, 6, 5, 4, 3]? a. range (11, 2, -1)c. range (10, 2, -1)b. range(10,3,-1) d. range(3,10, 1)

____ 13. What does the following code display?

print len("Game" + "Over")

a. 9

c. 7

b. 8

d. None of these

Name: _____

ID: A

____ 14. What does the following code display?

print "e" in "Game"

a. True

c. e

b. False

d. Gam

____ 15. What does the following code display?

print "g" in "Game"

a. True

c. g

b. False

d. ame

____ 16. What kind of access does Python allow for sequences?

- a. sequential access
- b. random access
- c. both sequential access and random access
- d. neither sequential access nor random access

____ 17. What does the following code display?

word = "abc"
print word[len(word)]

a. a

c. c

b. b

d. None of these

___ 18. What does the following code display?

word = "abc"
for i in range(len(word)):
 print word[-i]

a. a b c

c. bca

b. acb

d. bac

____ 19. What does the following code display?

word = "Game"
word[0] = "S"
print word

a. Game

c. SGame

b. Same

d. None of these

Name: _____

ID: A

20. What does the following code display? dessert = "cake" print dessert[1:3] a. cake c. ca b. cak d. ak 21. What does the following code display? dessert = "cake" print dessert[0:len(dessert)] a. cake c. ca b. cak d. ak _ 22. What does the following code display? dessert = "cake" print dessert[0:] + dessert[:len(dessert)] c. cakecakecake cake b. cakecake d. cakecakecake 23. Which of the following returns a copy of seq? (Assume seq is a valid sequence) a. seq[] c. seq[1:]d. seq[:1] b. seq[:] __ 24. What does the following code display? for element in ("Enemy1", "Enemy2", "Enemy3"): print "e" in element, True True True c. True b. False False False d. False 25. What does the following code display? print "e" in ("Enemy1", "Enemy2", "Enemy3") c. "e" a. True b. False d. "Enemy" 26. What does the following code display? inventory = ("ax", "armor", "amulet") for item in inventory: print len(item), a. 2 5 6 c. 0 1 2 b. 3 3 3 d. 2 1 0

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ID: A

27. What does the following code display?

```
inventory = ("ax", "armor", "amulet")
for item in inventory:
    if len(item) > len(inventory) and "a" in item:
        print item
```

a. ax armor amulet

c. armor amulet

b. ax armor

d. ax amulet

28. What does the following code display?

```
inventory = ("sword", "shield", "gold")
print inventory[1]
```

a. sword

c. gold

b. shield

d. None of these

29. What does the following code display?

```
inventory = ("sword", "shield", "gold")
print inventory[-1]
```

a. sword

c. gold

b. shield

d. None of these

30. What does the following code display?

```
treasure = ("gold", "gems")
rations = ("boar meat", "raptor egg")
inventory = treasure + rations
print inventory
```

("gold", "gems")

- c. ('gold', 'gems', 'boar meat', 'raptor egg')
- - ("boar meat", "raptor egg") d. ('boar meat', 'raptor egg', 'gold', 'gems')

Completion

Complete each statement.

- 31. access is access to elements of a sequence in order.
- 32. _____ access is direct access to any element of a sequence.
- 33. A(n) is an element of a sequence.
- 34. The ______ operator tests for element membership in a sequence.

Name	:					
	35.	The	function returns the	length of a sequence.		
Match	ning					
		Match each item with a statement below				
		a. Constantb. Elementc. Immutabled. Indexinge. Iterate	f. g. h. i. j.	Mutable None Sequence Slice Tuple		
	36.	Unchangeable.				
	37.	To move through a sequence,	in order.			
	38.	An immutable sequence of values of any type.				
	39.	A name that is associated with a value not meant to be changed				
	40.	A single item in a sequence.				
	41.	A copy of a continuous section of a sequence.				
	42.	The process used to access a specific element of a sequence.				
	43.	An ordered list of elements.				
	44.	Value that represents nothing.				
	45.	Changeable.				
Short	Ans	wer				
	46.	How are the while loop and for loop similar and different?				
	47.	Must you use the loop variable in the body of a for loop?				
	48.	How are constants helpful to programmers?				
	49.	What is None and how can it be helpful to a programmer?				
	50.	How are strings and tuples similar and different?				

ID: A