CST-	-186	Chapter 7 Study Guide				
True/I		e hether the statement is true or false.				
	1.	Using a text file, you can easily store comp	lex obje	cts.		
	2.	If you don't specify the number of characte returns the entire file as a string.	rs to be	read when invoking the text file method read(), Python		
	3.	Any file that's open can be written to.				
	4.	A closed file cannot be read from or written to.				
	5.	Python lets you pickle a variety of objects, including numbers, strings, tuples, lists, and dictionaries.				
	6.	The shelve module provides objects that	allow ra	andom access to pickled objects.		
	7.	An unhandled exception halts a program.				
	8.	A try statement prevents exceptions from occurring.				
	9.	An except clause tests whether or not an	exception	on has occurred.		
	10.	The else clause block of a try statement	execute	es only if no exception is raised in the try statement.		
Multi Identij	-	Choice c choice that best completes the statement or	answer	s the question.		
	11.	What text file method reads a specified number a. read()		characters from a text file and returns them as a string? readlines()		
		<pre>b. readline()</pre>		readfile()		
	12.	What text file method reads a specified number of characters from the current line in a text file and returns them as a string?				
		<pre>a. read()</pre>	c.	readlines()		
		<pre>b. readline()</pre>	d.	readfile()		
	13.	. What text file method reads all of the lines in a text file and returns them as elements in a list?				
		a. read()	c.			
		<pre>b. readline()</pre>	d.	readfile()		
	14.	What text file method writes a single string	to a tex	t file?		
		a. write()		writelines()		
		<pre>b. writeline()</pre>		writefile()		

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____ 15. What text file method writes a list of strings to a text file?

```
a. write()
```

c. writelines()

b. writeline()

d. writefile()

16. Which text file access mode allows only file reading?

```
a. "r"
```

c. "read"

b. "r+"

- d. "read+"
- __ 17. What will the value of the variable data be after the following code executes? (Assume that file.txt is a valid text file that can be read by the code)

```
f = open("file.txt", "r")
data = f.read()
f.close()
```

- a. The first character of the text file
- c. The entire text file as a string
- b. The first line of the text file
- d. The entire text file as a list of strings
- 18. What will the value of the variable data be after the following code executes? (Assume that file.txt is a valid text file that can be read by the code)

```
f = open("file.txt", "r"
data = f.readlines()
f.close()
```

- a. The first character of the text file
- c. The entire text file as a string
- b. The first line of the text file
- d. The entire text file as a list of strings
- 19. What will be displayed by the following code? (Assume that file.txt is a valid text file that can be read by the code)

```
f = open("file.txt", "r")
for x in f:
    print x
f.close()
```

- a. The first character of the text file
- c. The entire text file
- b. The first line of the text file
- d. None of these
- 20. In the following code, what is x? (Assume the code is a valid call to cPickle.dump())

```
cPickle.dump(x, y)
```

a. data to be pickled

- c. a file access mode
- b. a file object to be written to
- d. an index number

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21. In the following code, what is y? (Assume the code is a valid call to cPickle.dump()) cPickle.dump(x, y) c. a file access mode a. data to be pickled b. a file object to be written to d. an index number 22. How can pickled objects written to a file, using cPickle.dump() function, be accessed? a. sequentially c. they cannot be accessed None of these b. randomly d. 23. How can objects written to a shelf, using the shelve module, be accessed? a. sequentially they cannot be accessed b. randomly d. None of these 24. What will be displayed by the following code? try: num = float("ten") except: print "Exception!", print "End." a. Exception! c. Exception! End. b. End d. an exception raised message 25. What will be displayed by the following code? try: num = float("10")except: print "Exception!", print "End." a. Exception! c. Exception! End b. End. d. an exception raised message 26. What will be displayed by the following code? num = float("ten") except: print "Exception!", print num print "End." a. Exception! c. Exception! End b. End. d. an exception raised message

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27. What will be displayed by the following code? try: print float("ten") except (TypeError): print "TypeError" except (ValueError): print "ValueError" 10.0 c. ValueError d. an exception raised message b. TypeError 28. What will be displayed by the following code? try: print float(None) except(TypeError): print "TypeError" except (ValueError): print "ValueError" a. 10.0 c. ValueError d. an exception raised message b. TypeError 29. In the following what will the variable e receive? try: num = float("ten") except(ValueError), e: print "Exception!", e a. the exception's argument c. the exception's variable b. the exception's parameter d. the exception's name 30. What will be displayed by the following code? try: num = float("10")except: print "Exception!", else: print num, print "End." a. End. c. 10.0 End.

b. Exception! End.

d. an exception raised message

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Comp		n ach statement.			
	31.	Text files are, meaning that they can be used without modification on different operating systems.			
	32.	Before you can read from (or write to) an existing text file, you need to it.			
	33.	Whenever you're done with a file, it's good programming practice to it.			
	34.	The module allows you to pickle and store more complex data in a file.			
	35.	The module allows you to store and randomly access pickled objects in a file.			
Match	hing				
		Match each item with a statement below			
		a. Exception b. Exception argument c. Pickle d. Plain text file e. Shelf f. Trap g. dump() h. sync() t. try statement j. except clause			
	36.	An error that occurs during the execution of a program.			
	37.	To catch an exception.			
	38.	A value associated with an exception that has been raised.			
	39.	Code that sections off statements that could potentially raise an exception.			
	40.	An object written to a file that acts like a dictionary, providing random access to a group of pickled objects.			
	41.	A file that's made up of only ASCII characters.			
	42.	A cPickle function that writes a pickled version of an object to a file.			
	43.	To store complex objects in files.			
	44.	Code that contains statements that are executed only if an exception is raised.			
	45.	A shelf method that forces changes to be written to a file.			
Short	Ansv	wer			
	46.	What kind of information are text files good for storing?			

47. What kind of information is best stored using the cPickle module?

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- 48. When you write an object to a shelf file, is it written to the disk immediately?
- 49. When should you trap for exceptions?
- 50. Why should you trap for specific exception types?