1.	How are Python dictionaries different from Python lists?						
	0	Python lists store multiple values and dictionaries store a single value					
	0	Python lists can store strings and dictionaries can only store words					
		Python lists maintain order and dictionaries do not maintain order					
	$\circ$	Python dictionaries are a collection and lists are not a collection					
2.		What is a term commonly used to describe the Python dictionary feature in other programming languages?					
	$\bigcirc$	Lambdas					
	$\circ$	Closures					
	$\bigcirc$	Sequences					
		Associative arrays					
3.	What w	What would the following Python code print out?					
		stuff = dict() print(stuff['candy'])					
	0	0					
		The program would fail with a traceback					
	$\bigcirc$	-1					
	0	candy					

2	<pre>stuff = dict() print(stuff.get('candy',-1))</pre>
	-1
$\bigcirc$	0
$\bigcirc$	The program would fail with a traceback
$\bigcirc$	'candy'
(T/F) V them.	When you add items to a dictionary they remain in the order in which you added
	False
$\bigcirc$	True
What	is a common use of Python dictionaries in a program?
$\circ$	Splitting a line of input into words using a space as a delimiter
	Building a histogram counting the occurrences of various strings in a file
$\bigcirc$	Computing an average of a set of numbers
	Sorting a list of names into alphabetical order

7. Which of the following lines of Python is equivalent to the following sequence of statements assuming that **counts** is a dictionary?

	counts[key] = counts.get(key,0) + 1	
1	counts[key] - counts.get(key,o) + 1	

```
counts[key] = counts.get(key,-1) + 1
```

```
counts[key] = (key in counts) + 1
```

counts[key] = key + 1

counts[key] = (counts[key] \* 1) + 1

8. In the following Python, what does the **for** loop iterate through?

```
1 x = dict()
2 ...
3 * for y in x :
4 ...
```

- It loops through the keys in the dictionary
- It loops through the values in the dictionary
- It loops through all of the dictionaries in the program
- It loops through the integers in the range from zero through the length of the dictionary

9.	Which	method in a dictionary object gives you a list of the values in the dictionary?		
	$\bigcirc$	all()		
		values()		
	$\circ$	keys()		
	$\bigcirc$	each()		
	$\circ$	items()		
10. What is the purpose of the second parameter of the get() method for Pyth dictionaries?				
		To provide a default value if the key is not found		
	$\circ$	The key to retrieve		
	0	An alternate key to use if the first key cannot be found		
	$\circ$	The value to retrieve		