**Assignment 5**

1. What does an empty dictionary’s code look like?

A) dict1 = {}. Here dict1 is an empty dictionary.

2. What is the value of a dictionary value with the key ‘foo’ and the value 42?

A) {‘foo’ : 42}

3. What is the most significant distinction between a dictionary and a list?

A) The most significant distinction between the 2 is that the dictionary falls in mapping data types while the list is a sequence data type.

4. What happens if you try to access spam[‘foo’] if spam is {‘bar’: 100}?

A) It will cause a KeyError.

5. If a dictionary is stored in spam, what is the difference between the expressions ‘cat’ in spam and

‘cat’ in spam.keys()?

1. Both expressions will return the same result.

6. If a dictionary is stored in spam, what is the difference between the expressions ‘cat’ in spam and

‘cat’ in spam.values()?

A) With the help of ‘in’ operator the first expression will check keys in the spam dictionary. As ‘cat’ is a key value the result can change as the 2nd expression checks the values of the spam dictionary and not the keys.

7. What is a shortcut for the following code?

if ‘color’ not in spam:

spam[‘color’] = ‘black’

A) spam.setdefault('color', 'black')

8. How do you “pretty print” dictionary values using which module and function?

A) Using Module = pprint & function = pprint(). We can pretty print dictionary values by pprint.pprint(spam)