**Python Assignment-5**

**Q1.** What does an empty dictionary's code look like?

**Sol:** The Empty dictionary= {}.

**Q2.** What is the value of a dictionary value with the key ‘foo’’ and the value 42?

**Sol:** value (‘foo’ = 42)

**Q3.** What is the most significant distinction between a dictionary and a list?

**Sol:** The main Difference between a dictionary and a list is **a list refers to a collection of various index value pairs.** **A dictionary refers to a hashed structure of various pairs of keys and values**.

**Q4.** What happens if you try to access spam[‘foo’] if spam is {‘bar’:100}?

**Sol:**   We get a Key Error error.

**Q5. If a dictionary is stored in spam, what is the difference between the expressions ‘cat’ in spam and ‘cat’ in spam.values()?**

**Sol. There is no difference**. The in operator checks whether a value exists as a key in the dictionary. 'cat' in spam checks whether there is a 'cat' key in the dictionary, while 'cat' in spam. values() checks whether there is a value 'cat' for one of the keys in spam .

**Q7**. What is a shortcut for the following code?

If ‘color’ not in spam:

spam[‘color’] = ‘black’

**Sol:** spam.setdefault('color' , 'black')

**Q8.** How do you “pretty print” dictionary values using which module and function?

**Sol:** The module used is the pprint module within which we have the pprint function of the same name. The function can be implemented to pretty-print the specific string or object.