**Assignment 5-**

**1. What does an empty dictionarys code look like?**

**Ans-1** The empty dictionary code in Python will be written as

With Two curly brackets: {}

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

**Ans-2** The Dictionary value will be{ 'foo' : 42 }

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

**Ans-3** In Python, The items stored in a dictionary are unordered, while the items in a list are ordered.

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

**Ans-4** Will get an error .

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

**cat in spam.keys()?**

**Ans-**5 There is no difference. The in operator checks whether a value exists as a key in the dictionary.

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

**cat in spam.values()?**

**Ans-6** '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.

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

**if color not in spam:**

**spam[color] = black**

**Ans-7** spam.setdefault('color','black')

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

**Ans-8** pprint.pprint()