Answer Key

1. Which method is used to find the elements only in one set and not in the other?

   A) difference()   B) subtract()   C) remove()   D) pop()

   Ans: A) difference()

2. What is the purpose of the intersection() method in sets?

   A) To find the elements that are only in the first set.

   B) To find the elements that are in both sets.

   C) To remove elements from the set.

   D) To combine two sets into one.

   Ans: B) To find the elements that are in both sets.

3. Which method removes items from the set that are not present in other specified sets?

   A) difference_update()   B) union_update()

   C) intersection_update()   D) clear()

   Ans: C) intersection_update()

4. What does the isdisjoint() method return if two sets have common elements?

   A) True   B) False   C) None   D) 0

   Ans: B) False

5. What does the issuperset() method check in Python?

   A) Whether two sets have no common elements.

   B) Whether one set contains all elements of another set.

   C) Whether two sets are equal.

   D) Whether one set is a subset of another.

   Ans: B) Whether one set contains all elements of another set.

6. What will A.issubset(B) return if A = {1, 2} and B = {1, 2, 3}?

   A) True   B) False   C) None   D) 0

   Ans: A) True

7. Which method is used to find the symmetric difference between two sets in Python?

   A) difference()   B) symmetric_difference()

   C) exclusive_difference()   D) union()

   Ans: B) symmetric_difference()

8. What will A.union(B) return if A = {1, 2, 3} and B = {3, 4, 5}?

   A) {1, 2, 3, 4, 5}   B) {3}   C) {1, 2}   D) {3, 4}

   Ans: A) {1, 2, 3, 4, 5}

9. Which method is used to create a frozenset in Python?

   A) frozenset()   B) set()

   C) immutable_set()   D) frozen()

   Ans: A) frozenset()

10. What is the main difference between a set and a frozenset in Python?

    A) A frozenset is mutable, while a set is immutable.

    B) A set can be used as a dictionary key, but a frozenset cannot.

    C) A frozenset is immutable, while a set is mutable.

    D) There is no difference.

    Ans: C) A frozenset is immutable, while a set is mutable.