**Collection-test**

**1.Write a program to iterate the HashMap ?(5)**

**2.Write a program to sort HashMap by keys ? (5)**

**3. Write a program to sort ArrayList in descending order?(5)**

**4. Write a program to add element at particular index of ArrayList?(5)**

**5.Write a program to remove element from specified index of ArrayList?(10)**

**6.Write a program to convert LinkedList to ArrayList?(5)**

**7. Write a program to convert HashSet to Array? (10)**

**8.Write a program to reverse ArrayList in java?(5)**

**9.Write a program to sort ArrayList using Comparable and Comparator?(20) – DO NOT GRADE BECAUSE YOU SAID WE DO NOT HAVE TO DO IT> ITS AN ASSIGNMENT.**

**10.Write a program using StringBuilder/StringBuffer?(10)**

**11.Write a Difference between String, StringBuilder and StringBuffer?(4)**

**- String: Immutable,not changeable when using string class**

**- StringBuilder: Mutable, you can change string, it’s a single thread environment**

**- StringBuffer: Mutable, you can change string, it’s a multi thread environment**

**12. What is the difference between List and set?(2)**

**- List: ordered collection of elements. You can duplicate the elements**

**- Set: a collection of elements that cannot duplicate**

**13. What is the difference between Array & ArrayList?(2)**

**Array: is a straight element that cannot be changed**

**ArrayList: has a set of methods you can modify**

**14.What is the difference between HAshset and Treeset?(2)**

**HashSet: Set interface that stores unique elements**

**Treeset:**  **stores the elements in ascending order**

**15.Write a program to add the element and remove the element on both the side?(10)**