

## Question 1

Correct

Mark 1.00 out of 1.00

Flag question

To traverse a collection using `get(int index)`, it should be a collection of type \_\_\_\_\_

Select one:

- ☐ Any of these options
- ☒ List ✓
- ☐ Set
- ☐ Map

## Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Which of these are core interfaces in the Java collections framework?

Select one or more:

- ☐ `LinkedList<E>`
- ☒ `Set<E>` ✓
- ☒ `Collection<E>` ✓
- ☐ `Bag<E>`
- ☒ `Map<K,V>` ✓

## Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Which interface should a class implement so that it can be sorted based on many fields / criteria?

Select one:

- ☐ `CompareTo`
- ☒ `Comparator` ✓
- ☐ `CompareWith`
- ☐ `Comparable`

## Question 4

Correct

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Flag question

State True or False.

When performing operations on a stream, it will affect the original stream.

Select one:

- ☐ True
- ☒ False ✓

## Question 5

Correct

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Flag question

Predict the output

```
Set set=new TreeSet();
set.add(9);
set.add(8);
Iterator it=set.iterator();
while(it.hasNext())
    System.out.print(it.next()+" ");
```

Select one:

- ☐ Compile time error
- ☐ 9 8
- ☒ 8 9 ✓
- ☐ Runtime Exception

## Question 6

Correct

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Flag question

Choose the methods in Collection interface used to create a stream.

Select one or more:

- ☐ sequentialStream()
- ☒ parallelStream() ✓
- ☒ stream() ✓
- ☐ generateStream()

## Question 7

Correct

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Flag question

Which of the following methods is / are available in Collections class?

Select one or more:

- ☐ All these options
- ☐ search
- ☒ shuffle ✓
- ☒ binarySearch ✓

## Question 8

Correct

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Flag question

Assume we have a class Product as :

```
public class Product {  
    int productId;  
    String productName;  
    String productType  
    double price;  
    char category;  
    //few code  
}
```

If the objects of Product are to be manipulated in a TreeSet and sort based on productType, price and category, the product class should implement Comparator ✓ interface and implement compare ✓ method.

## Question 9

Correct

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Flag question

Predict the output

```
Map<String,String> map=new HashMap();  
map.put("tina","Devpt");  
map.put(null,"Test");  
map.put(null,"Admin");  
System.out.println(map);
```

Select one:

- ☐ {null=Test, tina=Devpt}
- ☐ {tina=Devpt ,null=Admin,Test}
- ☒ {null=Admin, tina=Devpt} ✓
- ☐ {tina=Devpt ,null=Test}

## Question 10

Correct

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Flag question

Observe the below code

```
List<Integer> markList = Arrays.asList(68,34,21,42,85,72,60);  
markList.stream().filter((mark) -> mark > 60).sorted().forEach(System.out::println);
```

Which intermediate methods of stream API are used in the above code?

Select one or more:

- ☒ filter ✓
- ☐ forEach
- ☒ sorted ✓
- ☐ stream