1) Which of these is not a interface in the Collections Framework?

a) Set

b) List

**c) Group**

d) Collection

2)Which of these packages contain all the collection classes?

a) java.net

b) java.awt

c) java.lang

**d) java.util**

3) Which of these classes is not part of Java’s collection framework?

a) Maps

b) Stack

c) Array

**d) Queue**

4) Which collection allows indexed access to its elements, but its methods are not synchronized?

a) Vector

b) TreeMap

c) HashSet

**d) ArrayList**

5) Can elements of a Set be traversed without using Iterator?

**a) Yes**

b) No

6) Collection \_\_\_\_\_\_\_\_\_\_\_\_\_\_

a) inherits the Collections class

**b) inherits the Iterable interface**

c) implements the Serializable interface

d) implements the Traversable interface

7) Which implementation of Iterator can traverse a collection back and forth?

a) Iterator

**b) ListIterator**

c) SetIterator

d) MapIterator

8) The collection is a \_\_\_\_\_\_\_\_\_\_\_\_

**a) framework and interface**

b) framework and class

c) only interface

d) only class

9)List, Set and Queue \_\_\_\_\_\_\_\_\_\_ Collection.

**a) extends**

b) implements

c) both of the above

d) none of the above

10) What is Collection in Java?

**a) A group of objects**

b) A group of interfaces

c) A group of data types

d) A group of classes

11) Which of these methods deletes all the elements from invoking collection?

**a) clear()**

b) reset()

c) delete()

d) refresh()

12) Which of these is an incorrect form of using method max() to obtain a maximum element?

a) max(List c)

b) max(Collection c)

**c) max(Comparator comp)**

d) max(Collection c, Comparator comp)

13) Which of these methods sets every element of a List to a specified object?

**a) fill()**

b) add()

c) set()

d) Complete()

14) Collection stores only ?

**a) object type data**

b) string type data

c) primitive type data

d) All of the above

15) Which type of exception is thrown if you try to add an element to an already full Collection ?

a) ClassCastException

b) NullPointerException

**c) IllegalStateException**

d) IllegalArgumentException

16) What does get(int index) method define by List interface do ?

a) stores an object at the specified index

b) returns a list containing elements between specified index and end in the collection.

**c) returns an object stored at the specified index**

d) none of the above.

17) Which interface restricts duplicate elements?

**a) Set**

b) List

c) Map

d) All of these

18) The accuracy and efficiency of a HashMap can be guaranteed with:

a) override equals method

b) override hashCode method

c) None of these

**d) All of these**

19) Which of these interface handle sequences?

a) Set

**b) List**

c) Comparator

d) Collection

20) Which of these interface declares core method that all collections will have?

a) Set

b) Comparator

c) EventListner

**d) Collection**

21) Elements of which of the collection can be traversed using Enumeration?

a) ArrayList

**b) Vector**

c) HashSet

d) TreeMap

22) Which of the following is legacy class in java?

a) Arraylist

b) Vector

c) Hashtable

**d) Only B & C**

23) Which among the following Sets maintains insertion order?

a) HashSet

b) TreeSet

**c) LinkedHashSet**

d) Both B & C

24) Which of these methods can randomize all elements in a list?

a) rand()

**b) shuffle()**

c) randomize()

d) ambiguous()

25) What will be the output of the following Java program?

import java)util.\*;

class Array

{

public static void main(String args[])

{

int array[] = new int [5];

for (int i = 5; i > 0; i--)

array[5-i] = i;

Arrays.fill(array, 1, 4, 8);

for (int i = 0; i < 5 ; i++)

System.out.print(array[i]);

}

}

a) 12885

b) 12845

**c) 58881**

d) 54881

26) What will be the output of the following Java program?

import java)util.\*;

class Collection\_iterators

{

public static void main(String args[])

{

ListIterator a = list.listIterator();

if(a)previousIndex()! = -1)

while(a)hasNext())

System.out.print(a)next() + " ");

else

System.out.print("EMPTY");

}

}

a) 0

b) 1

c) -1

**d) EMPTY**

27) What will be the output of the following Java program?

import java)util.\*;

class Collection\_iterators

{

public static void main(String args[])

{

LinkedList list = new LinkedList();

list.add(new Integer(2));

list.add(new Integer(8));

list.add(new Integer(5));

list.add(new Integer(1));

Iterator i = list.iterator();

Collections.reverse(list);

while(i.hasNext())

System.out.print(i.next() + " ");

}

}

a) 2 8 5 1

**b) 1 5 8 2**

c) 2

d) 2 1 8 5

28) Which of these methods can convert an object into a List?

a) SetList()

b) ConvertList()

**c) singletonList()**

d) CopyList()

29) Which of these is static variable defined in Collections?

a) EMPTY\_SET

b) EMPTY\_LIST

c) EMPTY\_MAP

**d) All of the mentioned**

30) Which of these method of Array class is used sort an array or its subset?

a) binarysort()

b) bubblesort()

**c) sort()**

d) insert()