1. A Java exception is an instance of								
a. RuntimeException	b. Exception	c. Error	d. Thr	<mark>d. Throwable</mark>				
2. An instance of describes programming errors, such as bad casting, accessing an out-ofbounds array, and numeric errors.								
a. RuntimeException	b. Exception	b. Exception c. Error d. Throws						
3. What exception type doe	s the following progran	n throw?						
<pre>public class Test {</pre>	public stati	c void						
<pre>main(String[] args)</pre>	{							
System.out.println((1 / 0);							
}								
}								
a. ArithmeticException	b.	. ArrayIndexOเ	utOfBoundsExc	eption				
c. StringIndexOutOfBounds	Exception d.	. ClassCastExce	eption					
4. A method must declare to	o throw							
a. unchecked exceptions	b. checked except	ions	c. Error	d. RuntimeException				
5. Which one(s) of the follow	wing statements are tru	ue?						
a. You use the keyword thro	ws to declare exceptio	ns in the meth	nod heading.					
b. A method may declare to	throw multiple except	<mark>ions.</mark>						
c. To throw an exception, use the key word throw.								
d. If a checked exception oc method.	curs in a method, it mu	ist be either ca	aught or declar	ed to be thrown from the				
6. ArrayList <string> and ArrayList<string> and Arrayl</string></string>		types. Does t	he JVM load tv	vo classes				
a. Yes b. N	<mark>No</mark>							

7.	Which of the following is not an advantage of Java exception handling?								
a.	Java separate	s exception handling	from normal processing tas	s <mark>ks.</mark>					
b.	Exception handling improves performance.								
c.	Exception har	ndling makes it possib	le for the caller's caller to h	nandle the exception.					
d.	· ·	ndling simplifies progr l at the catch block.	ramming because the error	-reporting and error-handling code					
8. Wł	nich one(s) of the	e following statement	s is correct?						
<mark>a. Ge</mark>	<mark>nerics can help c</mark>	letect type errors at c	compile time, thus make pr	ograms more robust.					
<mark>b. Ge</mark>	<mark>nerics can make</mark>	programs easy to rea	<mark>d.</mark>						
<mark>c. Ge</mark>	nerics can avoid	cumbersome castings	<mark>s.</mark>						
d. Ge	nerics can make	programs run faster.							
9. All	the concrete cla	sses in the Java Collec	ctions Framework impleme	nt					
a. the	Cloneable inter	face b.	the Serializable interfaces						
c. the	Comparable int	erface d <mark>.</mark>	the Comparator interface						
10. Fo	or an instance of	Collection, you can o	btain its iterator using	·					
a. c.g	etIterator()	<pre>b. c.iterator()</pre>	c. c.iterators()	d. c.iterable()					
11. Yo	ou can use a for-	each loop to traverse	all elements in a container	object that implements					
<mark>a. Ite</mark> i	<mark>rator</mark>	b. Collection	c. Iterable	d. ArrayList					
12. W	/hich one(s) of th	ne following are true?	r						
<mark>a. Yo</mark> ı	u can insert an e	l <mark>ement anywhere is a</mark>	<mark>n arraylist.</mark>						
<mark>b. Yo</mark> ı	u can insert an e	l <mark>ement anywhere is a</mark>	linked list.						
c. Yo	u can use a linke	d list to improve effici	ency for adding/removing	elements at the beginning of a list.					
	u should use an a ginning of a list.	array list if your applic	cation does not require add	ling and removing elements at the					

-	pose ArrayList x ds will cause run			trings [B	eijing, Si	ngapore	e, Tokyo]	. Which	one(s) of	f the fo	lowing
a. x.get	et(2) b. x.set(3		(3, "New York")			c <mark>. x.get(3)</mark>			d. <mark>x.remove(3)</mark>		
14. Sup	14. Suppose list list1 is [1, 2, 5] and list list2 is [2, 3, 6]. After list1.addAll(list2), list1 is										
a.	[<mark>1, 2, 5, 2, 3, 6]</mark>		b.	[1, 2, 5,	3, 6]		C.	[1, 5]		d.	[2]
15. Sup	pose a list conta	ins {"rec	l", "gree	n", "red'	', "green	"}. Wha	t is the I	ist after	the follo	wing co	de?
list.re	emove("red");										
a.	{"red", "green", "red", "green"}				b.	{"green", "red", "green"}					
c.	{"green", "gree	n"}				d.	{"red", "green", "green"}				
16. Which of the following is correct to sort the elements in a list lst?											
a. <mark>lst.so</mark>	rt()		b. Colle	ctions.so	ort(lst)						
c. Array	c. Arrays.sort(lst) d. new LinkedList <string>(new String[]{"red", "green", "blue"})</string>										
17. Which data type should you use if you want to store duplicate elements and be able to insert or delete elements anywhere efficiently.											
a.	ArrayList		b.	LinkedL	ist		c.	Vector		d.	Set
18. java.util.Vector is a subtype of											
a.	java.util.ArrayL	ist	b. java.u		java.uti	l.LinkedI	List				
C.	java.util.Abstra	<mark>ctList</mark>		d.	java.uti	l.Vector					
19. The method in the Queue interface retrieves and removes the head of this queue, or null if this queue is empty.											
a.	poll()	b.	remove	e()	C.	peek()		d.	element	t()	
20. What is the printout of the following code?											
<pre>ArrayList<integer> list = new ArrayList<integer>();</integer></integer></pre>											

```
list.add(0);
list.add(1);
list.add(2);    list.add(1,
4);    list.set(2, 30);
    System.out.println(list);
a.[0,1,2,4,30]    b.[0,4,2,30]    c.[0,1,30,2]    d.[0,1,2,30]    e.[4,1,2,30]
```