Note: Correct responses are based on Java, J2sdk v 6.0, from Sun Microsystems, Inc. All provided code segments are intended to be syntactically correct, unless otherwise stated (i. e. error is an answer choice) and any necessary Java 2 Standard Packages have been imported. Ignore any typographical errors and assume any undefined variables are defined as used.

QUESTION 1						
1102 + 10	) ) ) ) ) )					
	JU <sub>2</sub> – :	<b>D</b>	G .			
A. 111 <sub>2</sub>		<b>B.</b> 1010 <sub>2</sub>	C. 1	1112	D. 11 <sub>10</sub> E. 11 <sub>13</sub>	
QUESTION 2 What is outp	ut by the code	e to the right?			int a = 1; a = a + 1;	
A. 1	<b>B</b> . 2	C. 3	D. 11	E. 101	<pre>System.out.println(a);</pre>	
QUESTION 3						
What is outp	ut by the code	e to the right?		<pre>Integer b = 5;</pre>		
<b>A.</b> -12	<b>B</b> . 15	<b>C</b> . <b>-</b> 5	<b>D</b> . 50		<pre>b = b * (-2 + b); System.out.println(b);</pre>	
E. There is a	no output due	to a syntax erro	or.		ogocom.ouc.princin(z),	
QUESTION 4						
What is outp	ut by the code	e to the right?			for (int c=0; c<3; c=c+1)	
<b>A</b> . 123	<b>B</b> . 1234	C. 01	<b>D</b> . 012	E. 0123	<pre>System.out.print(c);</pre>	
QUESTION 5						
What is outp	ut by the code	e to the right?		<pre>String d = "a long time till state";</pre>	∍";	
<b>A.</b> 6	B1	C. 8	D. 9	E. 7	<pre>System.out.print(d.indexOf('t'));</pre>	
QUESTION 6					1 11 11 7 (0 4 6 0 10)	
What is outp	ut by the code	e to the right?			<pre>double[] eRay = {2,4,6,8,10}; eRay[3]++;</pre>	
<b>A</b> . 4.0	<b>B</b> . 6.0	C. 2.0	D. 8.0	E. 9.0	<pre>System.out.println(eRay[3]);</pre>	
QUESTION 7						
What is outp	ut by the code	e to the right?			boolean bool = true;	
A. yes	B. no	C. bool	D. true	E. false	System.out.println(bool && bool);	
QUESTION 8						
What is outp	ut by the code	e to the right?			int fNum = 31;	
A. 10	<b>B</b> . 01	C. 11	D. 0	E. 1	<pre>if(fNum/2 &gt; 15)    System.out.println(0);</pre>	
	<b>D</b> . 01	C. 11	D. 0	ь. т	System.out.println(1);	
QUESTION 9						
	following re nplete the cor	places <b>&lt;*1&gt;</b>	in the code to	<pre>public class Great {    private int num;</pre>		
	•	ionucioi :				
A. public void B. public static void					<pre></pre>	
C. public						
D. public static final void						
_	n one of these			,		
QUESTION 10						
What is output by the code to the right?					<pre>System.out.println(7   5);</pre>	
<b>A.</b> 7	<b>B</b> . 12	C. 2	D. 8	<b>E.</b> 5	S <sub>1</sub> SSSm. Suc. Princin ( /   S) ,	
/						

QUESTION 11					
What is output by the code to the right?					<pre>System.out.println(Math.pow(5,2));</pre>
<b>A</b> . 25	<b>B</b> . 25.0	C. 10.0	<b>D</b> . 10	<b>E.</b> 5	
QUESTION 12					
What is outp	ut by the code	to the right?		System.out.printf("%.2f",5.128);	
<b>A</b> . 5 . 1	<b>B.</b> 5.12	C. 5.13	<b>D</b> . 5.10	E. 5.128	
QUESTION 13					
What is outp	ut by the code	e to the right?			<pre>int[][] hMat = {{1,4,3},{2,5,6}}; System.out.println(hMat.length);</pre>
<b>A.</b> 3	B. 1	C. 2	<b>D.</b> 0	E. 4	
QUESTION 14  What is outp	ut by the code	e to the right?		<pre>int iSum=0; for(int i=2; i&lt;14; i=i+2) { iSum += i;</pre>	
<b>A.</b> 28	<b>B.</b> 37	C. 42	D. 47	<b>E.</b> 32	} System.out.println(iSum);
A. uil	ut by the code	•	D. rocks	E. srocks	<pre>String j = "uilcsrocks"; System.out.print(j.substring(5));</pre>
<b>A</b> . 72134	ut by the code  B. 9134	to the right? C. 917 to a syntax erro	D. 17		System.out.print(7 + 2 + "1" + 3 + 4);
QUESTION 17	io output duc	to a syman cir.			
What is outp	ut by the code	to the right?			System.out.println(2 * 3.25);
<b>A</b> . 6.0	<b>B.</b> 7.0	C. 7.5	D. 6.5	<b>E.</b> 7	7,000,000,000,000,000,000,000,000,000,0
QUESTION 18					
What is outp	ut by the code	to the right?			boolean k = true, m = false;
A. false	B. true	C. stop	<b>D</b> . 0	E. 1	System.out.println(k && (m ^ k));
QUESTION 19 What is outp	ut by the code	e to the right?			<pre>ArrayList<integer> n; n = new ArrayList<integer>();</integer></integer></pre>
A. 21	<b>B</b> . 15	<b>C</b> . 35	<b>D.</b> 0	E. 7	<pre>n.add(7); n.add(0,5); n.add(3); int ans; ans = n.get(0) * n.get(n.size()-1); System.out.println(ans);</pre>
QUESTION 20					10/0
What is output by the code to the right?					<pre>double dbl = 18/8; System.out.println(dbl);</pre>
<b>A</b> . 2.5	<b>B.</b> 2	C. 2.0	<b>D</b> . 2.25	E. 3.0	
What is output by the code to the right?  A. 13.5 B. 13 C. 13.0 D. 9.5 E. 9.0					<pre>double pNum = 1.5; while(pNum &lt; 11) {    pNum += 4; }</pre>
					System.out.println(pNum);

## QUESTION 22 public static int what(int x) What is returned by the method call what (25) ? if(x>-5 && x<10)**A**. 7 **B**. 8 **C**. 9 D. 10 E. -1 return 7; QUESTION 23 else if(x>10 && x<23) return 8; What is returned by the method call what (10) ? else if (x>23 && x<38)return 9; **A**. 7 **B**. 8 **C**. 9 D. 10 E. -1 else return -1: QUESTION 24 public class Box What is output by the line marked //1 in the client code to the right? private int size; A. 14 **B**. 3 public Box(int s){ setSize(s); **C**. 8 D. 4 public void setSize(int s) { **E**. 7 size = s;QUESTION 25 public int getSize(){ What is output by the line marked //2 in the client code to the right? return size; A. 14 } **B**. 3 public class DoubleBox extends Box C. 8 D. 4 public DoubleBox(int d) { super (d\*2); E. 7 QUESTION 26 public void setSize(int s) { What is output by the line marked //3 in the client code to the right? super.setSize(s\*2); A. 14 } **B**. 3 C. 8 //client code Box one = new Box(3); D. 4 out.println(one.getSize()); //1 E. 7 DoubleBox two = new DoubleBox(2); out.println(two.getSize()); two.setSize(7); //3 out.println(two.getSize()); QUESTION 27 Queue<String> queue; What is output by the line marked //1 in the code to the right? queue = new LinkedList<String>(); PriorityQueue<String> pQueue; C. cf A. ad B. 11 D. null E. 33 pQueue = new PriorityQueue<String>(); String[] stuff = {"ad", "11", "cf", "33"}; for(String s : stuff){ QUESTION 28 queue.add(s); What is output by the line marked //2 in the code to the right? pQueue.add(s); } A. ad B. 11 C. cf D. null E. 33 out.println(queue.remove()); //1

out.println(pQueue.remove());

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QUESTION 29
What is returned by the method call wow (7)?
                                                              public static int wow(int x)
A. 22
             B. 19
                        C. 10
                                    D. 14
                                                E. 25
                                                                if(x>0)
                                                                  return 2 + wow(x-1);
QUESTION 30
                                                                else
What is returned by the method call wow (11)?
                                                                   return x/2;
                                                              }
A. 22
             B. 19
                        C. 10
                                    D. 14
                                                E. 25
QUESTION 31
                                                              String orig = "200";
What is output by the code to the right?
                                                              int guess = Integer.parseInt(orig, 12);
                                                              System.out.println(guess);
A. 242
             B. 338
                        C. 249
                                    D. 236
                                                E. 288
QUESTION 32
In the code to the right, what type of Collection must stuff be
                                                              public void why(Collection stuff)
so that all val will be printed out in natural order?
                                                                 for (Object val: stuff)
A. Stack
                                    B. LinkedList.
                                                                    System.out.println(val);
                                                              }
C. Set
                                    D. TreeSet
E. HashSet
QUESTION 33
What is output by the line marked //1 in the code to the right?
                                                              Stack<String> stack;
A. dog
             B. 7337
                        C. cat
                                    D. null
                                                E. 3
                                                              stack = new Stack<String>();
QUESTION 34
                                                              stack.push("cat");
                                                              stack.push("7337");
What is output by the line marked //2 in the code to the right?
                                                              stack.push("dog");
A. false
             B. true
                        \mathbf{C}. 0
                                    D. 1
                                                E. null
                                                              ArrayList<String> list;
QUESTION 35
                                                              list = new ArrayList<String>(stack);
                                                              boolean same = stack.equals(list);
What is output by the line marked //3 in the code to the right?
                                                              System.out.println(stack.pop()); //1
A. [cat, 7337, dog]
B. [cat, dog]
                                                              System.out.println(same);
                                                                                                    //2
C. [cat, 7337]
                                                              System.out.println(stack);
                                                                                                    //3
D. [cat, dog, 7337]
E. [dog, 7337]
QUESTION 36
What is output by the line marked //1 in the code to the right?
                                                              Integer count = 0;
A. 17
             B. 43
                        C. 24
                                    D. 7
                                                E. 8
                                                              Integer[] intRay = \{17, 24, 43, 7, 8\};
                                                              for(Integer i : intRay)
QUESTION 37
                                                                 if (i.intValue() %2==0)
What is output by the line marked //2 in the code to the right?
                                                                     count++;
                                                              }
A. 1
             B. 2
                        C. 3
                                    D. 4
                                                E. 5
                                                              out.println(intRav[2%3]);
                                                                                                //1
                                                              out.println(count);
                                                                                                //2
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QUESTION 38					
What is output by the code	to the right?				
<b>A</b> . 2147483645		<b>B.</b> 214748	33647	<pre>System.out.println(-5&gt;&gt;&gt;1);</pre>	
C2		D10			
E. 2147483646					
QUESTION 39					
What is output by the line	marked //1	in the code to	the right?		
A. w B. a	C. h	D. wa		<pre>String x = "weareherewearehere"; String[] list = x.split("[ere]");</pre>	
E. an empty string				String[] rist - x.sprit( [ere] ),	
QUESTION 40				<pre>out.println(list[1]); //1 out.println(list.length); //2</pre>	
What is output by the line	marked //2	in the code to			
A. 11 B. 8	<b>C.</b> 10	D. 6	E. 7		