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Time taken 29 mins 59 secs

Question 1

Complete

Marked out of 1.00

What is the value of thatNumber after the execution of the following code snippet?

```
long thatNumber = 5 >= 5 ? 1+2 : 1*1;
```

```
if(++thatNumber < 4)
```

```
thatNumber += 1;
```

- ☐ a. 5
- ☐ b. The answer cannot be determined until runtime.
- ☒ c. 4
- ☐ d. 3

Question 2

Complete

Marked out of 1.00

Which of these array declarations is not legal? (Choose all that apply)

- ☐ a. `int[] scores = new int[5];`
- ☒ b. `Object[][] cubbies = new Object[3][0][5];`
- ☐ c. `int[] java = new int[];`
- ☒ d. `int[] types = new int[];`
- ☒ e. `String beans[] = new beans[6];`
- ☐ f. `java.util.Date[] dates[] = new java.util.Date[2];`

Question 3

Complete

Marked out of 1.00

What is the output of the following code?

```
LocalDateTime d = LocalDateTime.of(2015, 5, 10, 11, 22, 33);  
Period p = Period.ofDays(1).ofYears(2);  
d = d.minus(p);  
DateTimeFormatter f = DateTimeFormatter.ofLocalizedDateTime(FormatStyle.SHORT);  
System.out.println(f.format(d));
```

- ☒ a. 5/10/13 11:22 AM
- ☐ b. A runtime exception is thrown.
- ☐ c. 5/9/13 11:22 AM
- ☐ d. 5/9/14
- ☐ e. The code does not compile.
- ☐ f. 5/10/14

Question 4

Complete

Marked out of 1.00

Given:

```
public class Tailor {  
    public static void main(String args[]){  
        byte[][] ba = {{1,2,3,4}, {1,2}};  
        System.out.println(ba[1].length + " " + ba.length);  
    }  
}
```

What is the result?

- ☒ a. 4 2
- ☐ b. 3 2
- ☐ c. 2 7
- ☐ d. None of these
- ☐ e. 3 7
- ☐ f. 4 7
- ☐ g. 2 4
- ☐ h. Compilation fails

Question 5

Complete

Marked out of 1.00

Given

```
1. public class Dims {  
2.     public static void main(String[] args) {  
3.         int [][] a = {{1,2},{3,4}};  
4.         int [] b = (int[])a[1];  
5.         Object o1 = a;  
6.         int [][] a2 = (int [][] ) o1;  
7.         int [] b2 = (int[]) o1;  
8.         System.out.println(b[1]);  
9.     }  
10. }
```

What is the result? (Choose all that apply.)

- ☐ a. 2
- ☐ b. An exception is thrown at runtime
- ☐ c. 4
- ☐ d. Compilation fails due to an error on line 4
- ☒ e. Compilation fails due to an error on line 7
- ☐ f. Compilation fails due to an error on line 5
- ☐ g. Compilation fails due to an error on line 6

Question 6

Complete

Marked out of 1.00

```
class A{
    static int num=10;
    public static void main(String[] args){
        new A().m1(num);
        System.out.print(" " + num);
    }

    void m1(int num) {
        num++;
        for(int num = 3; num < 6; num++)
            System.out.print(" " + num);
    }
}
```

- ☐ a. 5 7
- ☐ b. 8 7
- ☐ c. 5 8
- ☐ d. An exception is thrown at runtime
- ☐ e. 8 8
- ☒ f. Compilation fails

Question 7

Complete

Marked out of 1.00

What is the output of the following code snippet?

```
class Test {
    public static void main (String [] args) {
        StringBuilder s1=new StringBuilder();
        System.out.println(s1.length() +" "+ s1.capacity());
    }
}
```

- ☐ a. compilation fails
- ☐ b. null null
- ☐ c. Null pointer exception
- ☐ d. null 16
- ☒ e. 0 16

Question 8

Complete

Marked out of 1.00

What is the result of the following?

```
int count = 10;
List<Character> chars = new ArrayList<>();
do {
    chars.add('a');
    for (Character x : chars) count -=1;
} while (count > 0);
System.out.println(chars.size());
```

- ☐ a. The code does not compile.
- ☒ b. 4
- ☐ c. 3
- ☐ d. None of these

Question 9

Complete

Marked out of 1.00

What is the output of the following code snippet?

```
import java.util.*;
class Test {
    public static void main(String args[]) {
        List list = new ArrayList();
        list.add("kmit");
        list.add("ngit");
        list.add("cbit");
        list.add("kmit");
        list.add("cbit");
        System.out.println(list.remove(list.get(2)));
    }
}
```

- ☒ a. two cbit will removed from list
- ☐ b. none of these
- ☐ c. compilation fails
- ☐ d. cbit
- ☐ e. ngit

Question 10

Complete

Marked out of 1.00

What is the result of the following code? (Choose all that apply)

```
StringBuilder numbers = new StringBuilder("0123456789");
numbers.delete(2, 8);
numbers.append("-").insert(2, "+");
System.out.println(numbers);
```

- ☒ a. 01+89–
- ☐ b. An exception is thrown.
- ☐ c. 012+–9
- ☐ d. 012+9–
- ☐ e. The code does not compile.
- ☐ f. 0123456789

Question 11

Complete

Marked out of 1.00

Given :

```
public class Mutant {
    public static void main(String[] args){
        StringBuilder sb = new StringBuilder("abc");
        String s = "abc";
        sb.reverse().append("d");
        s.toUpperCase().concat("d");
        System.out.println("." + sb + "." + B + ".");
    }
}
```

Which two substrings will be included in the result? (Choose two.)

- ☐ a. .ABCD.
- ☐ b. .abc.
- ☐ c. .dcfa.
- ☐ d. .ABCD.
- ☒ e. .cbad.

Question 12

Complete

Marked out of 1.00

What change would allow the following code snippet to compile? (Choose all that apply)

```
3: long x = 10;
```

```
4: int y = 2 * x;
```

- ☒ a. Cast 2 * x on line 4 to int.
- ☐ b. Change the data type of x on line 3 to short.
- ☐ c. No change; it compiles as is.
- ☐ d. Cast x on line 4 to int.
- ☒ e. Change the data type of y on line 4 to long.
- ☐ f. Change the data type of y on line 4 to short.

Question 13

Complete

Marked out of 1.00

What is the output of the following code?

```
LocalDate date = LocalDate.parse("2018-04-30", DateTimeFormatter.ISO_LOCAL_DATE);  
date.plusDays(2);  
date.plusHours(3);  
System.out.println(date.getYear() + " " + date.getMonth() + " " + date.getDayOfMonth());
```

- ☐ a. The code does not compile.
- ☐ b. 2018 APRIL 30
- ☐ c. 2018 APRIL 2
- ☒ d. 2018 MAY 2
- ☐ e. A runtime exception is thrown.

Question 14

Complete

Marked out of 1.00

Given :

String stuff = "TV";

String res = null;

```
if(stuff.equals("TV")){
    res = "Walter";
} else if(stuff.equals("Movie")){
    res = "White";
} else {
    res = "No Result";
}
```

Which code fragment can replace the if block?

- ☐ a. res = stuff.equals ("TV") ? stuff.equals ("Movie")? "Walter" : "White" : "No Result";
- ☐ b. stuff.equals ("TV") ? res= "Walter" : stuff.equals ("Movie") ? res = "White" : res = "No Result";
- ☒ c. res = stuff.equals ("TV")? "Walter" : stuff.equals ("Movie")? "White" : "No Result";
- ☐ d. res = stuff.equals ("TV") ? "Walter" else stuff.equals ("Movie")? "White" : "No Result";

Question 15

Complete

Marked out of 1.00

What is the result of the following?

6: String [] names = {"Tom", "Dick", "Harry"};

7: List<String> list = names.asList();

8: list.set(0, "Sue");

9: System.out.println(names[0]);

- ☐ a. Tom
- ☐ b. Compiler error on line 7.
- ☐ c. An exception is thrown.
- ☒ d. Sue
- ☐ e. Compiler error on line 8.

Question 16

Complete

Marked out of 1.00

```
import java.time.*;

class Test {

    public static void main(String[] args)    {

        LocalDate d=LocalDate.of(2017,Month.JANUARY, 5);

        d.plusDays(2).plusMonths(5).minusDays(1);

        System.out.println(d);

    }

}
```

- ☐ a. none of these
- ☐ b. 2017-05-06
- ☐ c. 2017-01-07
- ☒ d. 2017-01-05
- ☐ e. 2017-06-06
- ☐ f. 2017-05-06
- ☐ g. 2017-06-05

Question 17

Complete

Marked out of 1.00

What will be the output of below code snippet?

```
StringBuffer sb = new StringBuffer("11111");

System.out.println(sb.insert(3, false).insert(5, 3.3).insert(7, "One"));
```

Answer: 1111false13.31One

Question 18

Complete

Marked out of 1.00

```
import java.time.*;

class Test{

    public static void main(String[] args){

        LocalDate s=LocalDate.of(2017,Month.JANUARY,1);

        Period period= Period.ofWeeks(1);

        Period period1= Period.ofDays(2);

        LocalDate d=s.plus(period).minus(period1);

        System.out.println(d);

    }

}
```

- ☐ a. 2017-01-08
- ☒ b. 2017-01-06
- ☐ c. 2017-02-07
- ☐ d. 2017-01-07
- ☐ e. compilation fails
- ☐ f. none of these

Question 19

Complete

Marked out of 1.00

Which of the following can replace line 4 to print "avaJ"? (Choose all that apply)

3: StringBuilder puzzle = new StringBuilder("Java");

4: // INSERT CODE HERE

5: System.out.println(puzzle);

- ☒ a. puzzle.reverse();
- ☐ b. puzzle.append("vaJ\$").substring(0, 4);
- ☐ c. puzzle.append("vaJ\$").delete(0, 3).deleteCharAt(puzzle.length() - 1);
- ☐ d. puzzle.append("vaJ\$").delete(0, 3).deleteCharAt(puzzle.length());
- ☐ e. None of these.

Question 20

Complete

Marked out of 1.00

What is the result of the following code?

```
do {  
    int count = 0;  
    do {  
        count++;  
    } while (count < 2);  
    break;  
} while (true);  
System.out.println(count);
```

- ☐ a. 3
- ☐ b. This is an infinite loop.
- ☒ c. 2
- ☐ d. The code does not compile.