Java Question Set

***Question 1***

What is the output for the following code?

public class A

{

public static void main(String[] args)

{

if (true)

break;

}

}

(A) Nothing

(B) Error

(C) ”true”

***Question 2***

Which of the following is of the data type integer?

(A) 11.4F/3.2D

(B) 13.8F/4.6F

(C) 12/3

(D) None of these

***Question 3***

If the value of p = 5 , q = 9 and r = 3, find:

         p\*+((++p/3)\*(q++  + ++r)\*(r++ + p++))/13

(A) 100

(B) 97.6

(C) 145

(D) 1270

***Question 4***

Which declarations are required in a Java program?

1. There should be a main function
2. There should be a class
3. There should be a class and a main function
4. None of these

***Question 5***

What will be the output of following program?

public class temp

{

    public static void main(String agrs[])

    {

        for(int i=1; i<=10; i++);

        System.out.print(i);

    }

}

1. 12345678910
2. 11
3. Error
4. 1 2 3 4 5 6 7 8 9 10

***Question 6***

What will be output of the following snippet of code?

int x=5,y;

y= ++x + x++ + --x;

System.out.println(x + “,” + y);

(A) 6, 18

(B) 6, 12

(C) 6, 15

(D) Error

***Question 7***

Select the correct output:

if(true && false && true || false)

    System.out.println(“True”);

else

    System.out.println(“False”);

(A) True

(B) False

***Question 8***

What will be the output of the following snippet of code?

int ok=10;

        switch(ok)

        {

            default:

                System.out.println(&amp;quot;Default&amp;quot;);

            case 0:

                System.out.println(&amp;quot;True&amp;quot;);

            case 1:

                System.out.println(&amp;quot;False&amp;quot;);

        }

1. Default
2. Error
3. True False Default
4. Default True False

***Question 9***

Write the output of the following:

int a=1;

if(a==1)System.out.println(a++);

if(a==2)System.out.println(++a);

if(a==3)System.out.println(a+2);

System.out.println(a);

***Question 10***

Rewrite using ternary operator

int a; String s;

if(a==10){s=”abc”;}

else if(a==20){s=”def”;}

else{s=”mno”;}

***Question 11***

Give the output for:

1. System.out.println(Math.floor(-9.1)+Math.ceil(8.0));
2. System.out.println(Math.abs(Math.max(Math.min(10,21),21)));
3. System.out.println(Math.round(-9.1)+Math.round(9.1));

***Question 12***

33. What is true about private constructor?

1. Private constructor ensures only one instance of a class exist at any point of time
2. Private constructor ensures multiple instances of a class exist at any point of time
3. Private constructor eases the instantiation of a class
4. Private constructor allows creating objects in other classes

***Question 13***

35. When does method overloading is determined?

1. At run time
2. At compile time
3. At coding time
4. At execution time

***Question 14***

Give the default values stored in variable whose data type is

1. Boolean
2. Integer

***Question 15***

Which of the following loops will execute the body of loop even when condition controlling the loop

is initially false?

1. do-while
2. while
3. for
4. none of the mentioned

***Question 16***

Which of the following statements is/are TRUE regarding JAVA? (a) Constants that cannot be

changed are declared using the ‘static’ keyword. (b) A class can only inherit one class but can

implement multiple interfaces.

1. Only (a) is TRUE.
2. Only (b) is TRUE.
3. Both (a) and (b) are TRUE.
4. Neither (a) nor (b) are TRUE.

***Question 17***

Name the type of error (syntax, runtime or logical error) in each case given below:

1. Math.sqrt (36-45)
2. int a;b;c;

***Question 18***

public class Prg

{

public static void main (String [] args)

{

    char [] str = {‘c’,’o’,’d’,’e’,’w’,’a’,’r’,’s’};

System.out.println(str.toString());

}

}

1. codewars
2. Error
3. [C@19e0bfd (Memory Address)
4. NULL

***Question 19***

Give the Output:

public class prg {

public static void main(String[] args) {

    System.out.print(“Hello”);

    System.out.println(“Guys!”);

}

}

1. HelloGuys!
2. Hello Guys!
3. Hello

Guys!

1. Compile with a Warning

***Question 20***

Which of the following is a type of polymorphism in Java?

1. Compile time polymorphism
2. Execution time polymorphism
3. Multiple polymorphism
4. Multilevel polymorphism

***Question 21***

Complete the sequence -

2,9,28,65, 126, \_\_\_\_\_?

(A) 187

(B) 217

(C) 242

(D) 344

(E) 355

***Question 22***

|  |  |
| --- | --- |
| A clock is started at noon. By 10 minutes past 5, the hour hand has turned through | |
| A. 155° | B. 145° |
| C. 152° | D. 140° |

***Question 23***

If 5@6=61 and 8@10=164, then 7@9=?

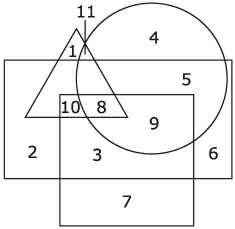
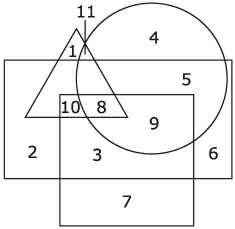
1. 125
2. 63
3. 130
4. 32
5. 95

***Question 24***

Two pipes can fill a tank in 12 minutes and 20 minutes respectively. Both pipes are opened together and after some time the first pipe is closed and the tank is full in totally 10 minutes. For how many minutes was first pipe open?

1. 8 minutes
2. 6 minutes
3. 7 minutes
4. 10 minutes

***Question 25***



These questions are based on the figure given above in which (1) Rectangle represents Males, (2) Circle represents the urbans (3) Square represents the educated and (4) Triangle represents the civil servants.  
  
The number indicating the uneducated urban males is



1. 4
2. 5
3. 7
4. 11

***Question 26***

There are 12 balls, all of them look identical but one of them is slightly heavier than the rest. You have a weight balance. What is the least number of times you need to use the balance to find the heavier ball ?

***Question 27***

You’ve got someone working for you for seven days and a gold bar to pay them. You must pay the worker for their work at the end of every day. If you are only allowed to make two breaks in the gold bar, how do you pay your worker? (Assuming equal amount of work is done during each day thus requiring equal amount of pay for each day)

***Question 28***

Last day of a century can never be a -

1. Monday
2. Tuesday
3. Wednesday
4. Friday

***Question 29***

Provide an algorithm to find the HCF of 2 numbers, more efficient algorithm carries more points.

***Question 30***

A 100-seater flight is about to take off. Each of the 100 passengers are waiting to enter, holding a ticket corresponding to their seat number. You are last in line, the 100th. One of the people in front of you is crazy (but you don't know which one) and will sit in a random empty seat (which might even be his assigned seat). The other passengers will continue to sit in their seats, unless it is already occupied, in which case they go crazy too and sit in a random empty seat. Assuming they don't behave like your typical crowd and get in one by one without a stampede, what is the probability that you'll sit in your assigned seat?