Started on	Wednesday, 12 February 2025, 4:18 PM
State	Finished
Completed on	Wednesday, 12 February 2025, 4:48 PM
Time taken	29 mins 33 secs

Question 1

Complete

Marked out of 1.00

```
class Test{
  public static void main(String[] args) {
          byte a=3;
             int b=10;
             float c=100.1f;
             byte d;
             d=b+a;                          //Line-7
             b= (int)a;                     // Line-8
             a+=7;                           // Line-9
    System.out.println(d);              //Line-10
    System.out.println(b);             // Line-11
   System.out.println(a);                        //Line-12
             }
}
```

- a. Compilation fails at line 11
- b. Compilation fails at line 10
- c. Compilation succeeds
- d. Compilation fails at line 8
- e. Compilation fails at line 7
- f. Compilation fails at line 9
- g. Compilation fails at line 12

Question 2

Complete

Marked out of 1.00

```
class Test {
   public static void main(String [] args) {
                        String x="abc";
                        switch(x){                                  //Line-4
                                case "abc" :                        //Line-5
                                System.out.println("1");            //Line-6
                        case "def" :                                //Line-7
                          System.out.println("2");                  //Line-8
                        }
            }
}
```

a. Compilation fails Line-4

b. 1

c. 2

d. Compilation fails Line-7

e. Compilation fails Line-8

f. Compilation fails Line-6

g. Compilation fails Line-5

h. 1
2

Question 3

Complete

Marked out of 1.00

```
class Test {
public static void main(String [] args) {
int x=1;
if(x)
       System.out.println("A");
else
     System.out.println("B");
}
}
```

a. Run time exception

b. Compilation fails

c. A

d. B

Question 4

Complete

Marked out of 1.00

```
class Test{
  public static void main(String[] args)
        {
          float f=23.11f;
          short s=(short)f;
          System.out.println(s);
        }
}
```

a. 0

b. Compilation fails

c. 23

d. 23.0

Question 5

Complete

Marked out of 1.00

```
class Test
{
        int x;
        int y;
                public static void main(String[] args){
                Test t=new Test();
                        t.y=10;
         System.out.println(t.x+t.y);

        }
}
```

a. Compilation fails

b. 0

c. Garbage value

d. Run time exception

e. 10

Question 6

Complete

Marked out of 1.00

Suppose we have a class named Test. Which of the following statements are true? (Choose all that apply)

```
1: public class Test {
2: public static void main(String[] args) {
3: Test one = new Test();
4: Test two = new Test();
5: Test three = one;
6: one = null;
7: Test four = one;
8: three = null;
9: two = null;
10: two = new Test();
11: System.gc();
12: } }
```

- [ ] a. The Test object from line 3 is first eligible for garbage collection immediately following line 6.
- [ ] b. The Test object from line 3 is first eligible for garbage collection immediately following line 12.
- [ ] c. The Test object from line 4 is first eligible for garbage collection immediately following line 11.
- [x] d. The Test object from line 4 is first eligible for garbage collection immediately following line 9.
- [ ] e. The Test object from line 4 is first eligible for garbage collection immediately following line 12.
- [x] f. The Test object from line 3 is first eligible for garbage collection immediately following line 8.

Question 7

Complete

Marked out of 1.00

```
class T
{
private T(){
 System.out.println("hello world");
}
public static void main(String args[])
{
   T t=new T();
 }
}
```

- a. none of these
- b. hello world
- c. prints nothing
- d. compilation fails

Question 8

Complete

Marked out of 1.00

```
class Test
{
            String s;
    public static void main(String[] args)
            {
            System.out.println(new Test().s);
            }
}
```

- a. prints nothing
- b. null
- c. compilation fails
- d. compiles but will not run

Question 9

Complete

Marked out of 1.00

```
class Demo
 {
        String title;
        int value;
   public Demo()
       {
        title += " class";
        }
   public Demo(int value) {
        this.value = value;
        title = "Demo";

   }
}
class  Test {
 public static void main (String args[]){
 Demo d = new Demo(5);
 System.out.println(d.title);
 }
}
```

a. Demo class

b. Demo

c. Class Demo

d. Class

e. Compilation fails

Question 10

Complete

Marked out of 1.00

```
class Test
{
        public static void main(String[] args)
        {
                short a=0;
            for(;a<10;a++)
                a=a+6;
              System.out.println(a);

        }
}
```

a. 0

b. Run time exception

c. Compilation fails

d. 14

Question 11

Complete

Marked out of 1.00

```
class Test {
   public static void main(String [] args) {
      int a=10;
         if(++a = 11)
          System.out.println(a);
         else
          ++a;
          System.out.println(a);
   }
}
```

a. 11

b. Compilation fails

c. 10

d. Run time exception

e. 12

Question 12

Complete

Marked out of 1.00

class Test { public static void main(String [] args) { int year; //Line-3 int day; //Line-4 year = 2050; //Line-5 System.out.println(year); //Line-6 } }

a. Compilation fails at Line-5

b. Run time exception

c. 2050

d. Compilation fails at Line-4

e. 0

f. Compilation fails at Line-3

Question 13

Complete

Marked out of 1.00

```
class Test
{
        public static void main(String[] args){
            int x=10;
            int y;
               System.out.println(x+y);

        }
}
```

a. Garbage value

b. Compilation fails

c. Run time exception

d. 10

e. 0

Question 14

Complete

Marked out of 1.00

Which represent the order in which the following statements can be assembled into a program that will compile successfully? (Choose all that apply)

A: class Rabbit {}

B: import java.util.*;

C: package animals;

a. B, C, A

b. C, A

c. A, C

d. B, A

e. A, B, C

f. A, B

g. C, B, A

Question 15

Complete

Marked out of 1.00

What does the following code output? public class Test { int count; public void Test() { count = 4; } public static void main(String[] args) { Test s = new Test(); System.out.println(s.count); } }

a. Compilation fails on line 7.

b. 4

c. Compilation fails on line 4.

d. Compilation fails on line 8.

e. 0

f. Compilation fails on line 3.

Question 16

Complete

Marked out of 1.00

```
class Test
{
public static void main(String[] args)
{
   int a = 4;
   double b = 8;

   System.out.println(a+b+"KMIT " );
            }
}
```

- a. 48.0KMIT
- b. 48KMIT
- c. 12.0KMIT
- d. 12KMIT

Question 17

Complete

Marked out of 1.00

```
class Test
{
        public static void main(String[] args){
                        Test t=new Test();
                        System.out.print(1);
        }
        protected void finalize(){
                        System.out.println(" "+2);
                        }
}
```

- a. Compilation fails
- b. 2 1
- c. 2
- d. 1
- e. Can’t predict the output
- f. 1 2

Question 18

Complete

Marked out of 1.00

Which of the following are true? (Choose all that apply)

```
class Test
{
        public static void main(String[] args){
                short numPets = 5;          // line4
                int numGrains = 5.6;        //line5
                String name = "Scruffy"; //line6
                numPets.length();           //line7
                numGrains.length();         //line8
                name.length();              //line9
        }
}
```

- [ ] a. Line 9 generates a compiler error.
- [x] b. Line 7 generates a compiler error.
- [x] c. Line 5 generates a compiler error.
- [x] d. Line 8 generates a compiler error.
- [ ] e. Line 4 generates a compiler error.
- [ ] f. Line 6 generates a compiler error.
- [ ] g. The code compiles as is.

Question 19

Complete

Marked out of 1.00

```
class Test { public static void main(String[] args) { String s; System.out.println(s); } }
```

- ( ) a. prints nothing
- ( ) b. compiles but will not run
- ( ) c. compilation fails
- (•) d. null

Question 20

Complete

Marked out of 1.00

Which of the following legally fill in the blank so you can run the main() method from the command line? (Choose all that apply)

```
class Test
{
        public static void main(String _Names[]){}
}
```

- [ ] a. String[] 123
- [ ] b. String names
- [ ] c. None of the these.
- [x] d. String abc[]
- [x] e. String... $n
- [x] f. String _Names[]
- [x] g. String[] _names