Question 11

Not yet answered

Marked out of 1.00

Predict the output of following Java program

```java
1  public class Test {
2      public static void main(String args[]) {
3          try {
4              throw 10;
5          }
6          catch (int e){
7              System.out.println("Got the Exception " + e);
8          }
9      }
10 }
```

○ a.   Compilation error

○ b.   Run time error

○ c.   Got the Exception 10

○ d.   Got the Exception java.lang.Exception: 10

Question **12**

Not yet answered

Marked out of 1.00

Predict the output of following Java program

```java
1   abstract class A {
2       public void setX(int a) ;
3   }
4   class B extends A {
5       public int x = 1;
6       public int getB() {
7           setX(5);
8           return x;
9       }
10      public void setX(int a){
11          x = a;
12      }
13  }
14  public class Test {
15      public static void main(String[] args) {
16          B b = new B();
17          System.out.println(b.getB());
18      }
19  }
20
```

○ a. Run time error

○ b. Compilation error

○ c. 5

○ d. 1

Question **13**

Not yet answered

Marked out of 1.00

Predict the output of following Java program

```
1   class A {
2       public int x = 1;
3       public void setX(int a) {
4           x = a;
5       }
6   }
7   class B extends A {
8       public int getB() {
9           setX(5);
10          return x;
11      }
12  }
13  public class Test {
14      public static void main(String[] args) {
15          A a = new A();
16          B b = new B();
17          System.out.println(a.x);
18          System.out.println(b.getB());
19      }
20
21  }
22
```

- ○ a.   No output
- ○ b.   Two line: "1" and "5"
- ○ c.   Run time error

○ d.   Compilation error

Question **14**

Not yet answered

Marked out of 1.00

Predict the output of following Java program

```java
1   abstract class A {
2       int a = 100;
3       public void display() {
4           System.out.printf("a in A = %d\n", a);
5       }
6   }
7   class B extends A {
8       private int a = 123;
9       public void display() {
10          System.out.printf("a in B = %d\n", a);
11      }
12  }
13  class C extends B {
14      private int a = 543;
15      public void display() {
16          System.out.printf("a in C = %d\n", a);
17      }
18  }
19  public class Test {
20      public static void main(String[] args) {
21          A objA = new A();
22          B objB1 = new B();
23          A objB2 = new B();
24          C objC1 = new C();
25          B objC2 = new C();
26          A objC3 = new C();
27          objC3.display();
28      }
29  }
30
```

- a. 543
- b. 100
- c. 123

    ○ d.   Compilation error

Question **15**

Not yet answered

Marked out of 1.00

What will be the output of the following Java program?

```
1   public static void main(String[] args) {
2       int a = 40, b = 4;
3       while (a != b) {
4           if (a > b) {
5               a = a - b;
6           } else {
7               b = b - a;
8           }
9       }
10      System.out.println(a);
11  }
```

○ a.   40

○ b.   Runtime Error

○ c.   10

○ d.   4

Question **16**

Not yet answered

Marked out of 1.00

Given the following sample code:

```
1  public class Example{
2      public float Twin(float a, float b) {
3      ...}
4      public float Twin(float a1, float b1) {
5      ...}
6  }
```

How can we correct the above code ?(choose two)

- a. By placing overriding method into subclass.
- b. By replacing overloading from overriding.
- c. By changing the name of the arguments.
- d. By changing the name of the class.

Question **17**

Not yet answered

Marked out of 1.00

Given below the sample code :

```java
1   class Hotel {
2       public int bookings;
3       public void book() {
4           bookings++;
5       }
6   }
7   public class SuperHotel extends Hotel {
8       public void book() {
9           bookings--;
10      }
11      public void book(int size) {
12          book();
13          super.book();
14          bookings += size;
15      }
16      public static void main(String args[]) {
17          Hotel hotel = new Hotel();
18          hotel.book(2);
19          System.out.print(hotel.bookings);
20      }
21  }
```

How can we correct the above code ? (choose all that apply)

- ☐ a. Initialize the Hotel object line 17 to by "SuperHotel" subclass
- ☐ b. By removing argument '2' at line number 18.

☐ c.　By adding argument "int size" to the method book at line number 3 and add "size" to the method super.book at line number 13.

☐ d.　No correction needed.

Question **18**

Not yet answered

Marked out of 1.00

Which of the following stands true about default modifier of class members?

○ a.　By default, variables, methods and constructors can be accessed by any class lying in any package.

○ b.　By default, variables, methods and constructors can be accessed by subclass only.

○ c.　By default, variables, methods and constructors can be accessed by any class.

○ d.　By default, variables, methods and constructors can be accessed by any class lying in the same package.

Question **19**

Not yet answered

Marked out of 1.00

Predict the output of following Java program

```
1    interface A {
2        public void setX(int a) ;
3    }
4    class B extends A {
5        public int x = 1;
6        public int getB() {
7            setX(5);
8            return x;
9        }
10       public void setX(int a){
11           x = a;
12       }
13   }
14   public class Test {
15       public static void main(String[] args) {
16           B b = new B();
17           System.out.println(b.getB());
18       }
19   }
20
```

○ a. 1

○ b. Compilation error

○ c. Run time error

○ d. 5

Question **20**

Not yet answered

Marked out of 1.00

What will happen when you compile and run the following code?

```
1  public class Test {
2      public static void main(String args) {
3          int i = 5, j = 2;
4          System.out.println(i % j);
5      }
6  }
7
```

○ a. 2

○ b. 1

○ c. Run time error

○ d. Compilation error

《   》