Student ID: Name:

1. Given the following Java code:

```
1.      class C {
2.          public static void main(String[] args) {
3.              int a=0, b=5;
4.              try {
5.                  System.out.print(a/b+b/a);
6.              } catch {
7.                  System.out.println("Exceptions!!!");
8.              }
9.          }
10.     }
```

What is the result of attempting to compile the program?
A. Prints: Exceptions!!!
B. Prints Nothing
C. Compiler Error
D. Runtime Error
E. None of the above

Answer:

2. Given the following Java code:

```
1.      class A {
2.          public static void main(String[] args) {
3.              int a=0, b=5;
4.              String c[] = {"A", "B", "C"};
5.              try {
6.                  for(int i=1; i<4; i++) {
7.                      System.out.print(c[i]);
8.                  }
9.                  System.out.print(a/b+b/a);
10.             }
11.             catch(ArithmetException e) {
```

```
12.              System.out.println("D");
13.          }
14.        catch(ArrayIndexOutOfBoundsException e) {
15.              System.out.println("E");
16.          }
17.      }
18.    }
```

What is the result of attempting to compile the program?

A. Prints: ABC

B. Prints: ABD

C. Prints: BCE

D. Prints: BCDE

E. Compiler Error

Answer:

3. Given the following Java code:

```
1.        class A {
2.           public static void main(String[] args){
3.              int a=0, b=5;
4.              String c[] = {"A", "B", "C"};
5.              try {
6.                 System.out.print(c[a/b]);
7.                 try {
8.                    for(int i=0; i<4; i++) {
9.                       System.out.print(c[i]);
10.                   }
11.                }
12.                catch (Exception e)
13.                {
14.                   System.out.println("D");
15.                }
16.                finally {
17.                   System.out.println("E");
18.                }
```

```
19.                 }
20.             catch (Exception e) {
21.                 System.out.println("F");
22.             }
23.             finally {
24.                 System.out.println("G");
25.             }
26.         }
27.     }
```

What is the result?

A. Prints: AABCG

B. Prints: ABCDG

C. Prints: AABCDG

D. Prints: AABCDEG

E. Prints: AABCDEFG

Answer:

4. Given the following Java code:

```
1.      class Num {
2.        public static void main( String[] args ) {
3.            int src[] = {10, 9, 8, 7, 6, 5, 4, 3, 2, 1};
4.            int res[] = {1, 2, 3, 4, 5};
5.            System.arraycopy(src, 0, res, 0, src.length);
6.            for(int i=0; i<res.length; i++) {
7.                System.out.print(res[i]);
8.            }
9.        }
10.     }
```

What is the result?

A. 10987654321

B. 10987612345

C. 12345612345

D. Compiler error

E. Runtime exception

Answer:

5. Given the following Java code:

```
1.      class A {
2.          public static void main (String[] args) {
3.              byte a[] = new byte[2];
4.              long b[] = new long[2];
5.              float c[] = new float[2];
6.              Object d[] = new Object[2];
7.              System.out.print(a[1]+","+b[1]+","+c[1]+","+d[1]);
8.          }
9.      }
```

What is the result?
A. Prints: 0,0,0,null
B. Prints: 0,0,0.0,null
C. Prints: 0,0,0,0
D. Prints: null,null,null,null
E. The code runs with no output.

Answer:

6. Given the following Java code:

```
1.      class A {
2.          public static void main(String[] args) {
3.              int[   ] var1;
4.              int[5] var2;
5.              int[] var3;
6.              int var4[];
7.          }
8.      }
```

What is the result?

A. compile-time errors occur at line 3

B. compile-time errors occur at line 4

C. compile-time errors occur at line 5

D. compile-time errors occur at line 6

E. None of the above

Answer:

7. Given the following Java code:

```
1.      class A {
2.          static void my() throws ArithmeticException {
3.              System.out.print("A");
4.              throw new ArithmeticException("A");
5.          }
6.          public static void main (String args []) {
7.              try {
8.                  my();
9.              }
10.             catch (Exception e) {
11.                 System.out.print("B");
12.             }
13.             finally {
14.                 System.out.print("C");
15.             }
16.         }
17.     }
```

What is the result?

A. Prints: A

B. Prints: AC

C. Prints: ABC

D. Prints: AABC

E. Prints: C

Answer:

8. Given the following Java code:

```java
1.      class B extends Exception {}
2.      class C extends B {}
3.      class D extends C {}
4.      class A {
5.        public static void main(String args[]) {
6.            int a,b,c,d,x,y,z;
7.            a = b = c = d = x = y = 0;
8.            z = 1;
9.            try {
10.              try {
11.                switch(z) {
12.                    case 1: throw new B();
13.                    case 2: throw new C();
14.                    case 3: throw new D();
15.                    case 4: throw new Exception();
16.                }
17.                a++;
18.              }
19.              catch ( C e ) {b++;}
20.              finally{c++;}
21.            }
22.            catch ( B e ) {d++;}
23.            catch ( Exception e ) {x++;}
24.            finally {y++;}
25.            System.out.print(a+","+b+","+c+","+d+","+x+","+y);
26.        }
27.      }
```

What is the result?
A. 0,0,1,1,0,1
B. 0,1,0,1,1,0
C. 0,0,1,1,0,1
D. 0,1,1,1,1,1
E. 1,1,0,1,0,0

Answer:

9. Given the following Java code:

```java
1.      class B extends Exception {
2.          public void myMethod( ) throws RuntimeException {}
3.      }
4.
5.      class A extend B{
6.          public void myMethod( ) throws Exception {}
7.          public static void main (String[] args) {}
8.      }
```

Compile-time errors occur at which lines?

A. 1

B. 2

C. 6

D. 7

E. None of the above

Answer:

10. Given the following Java code:

```java
1.      class A {
2.          public static void main (String[] args) {
3.              int a=1, b=0;
4.              int c[] = {1,2,3};
5.              try {
6.                  System.out.print(c[1]);
7.                  try {
8.                      System.out.print(a/b+b/a);
9.                  }
10.                 catch (ArithmeticException e)
11.                 {
12.                     System.out.print("C");
13.                 }
14.             }
15.             catch (ArrayIndexOutOfBoundsException e) {
16.                 System.out.print("A");
```

```
17.              }
18.          finally {
19.              System.out.print("B");
20.              }
21.          }
22.      }
```

What is the result?

(A) 1BC

(B) 1CB

(C) 2BC

(D) 2CB

(E) 2AC

Answer: