

Questão 01

Given the code. What is the result if NullPointerException occurs at line 2?

```
1.  try {  
2.      //some code goes here  
3.  }  
4.  catch (NullPointerException ne) {  
5.      System.out.print("1 ");  
6.  }  
7.  catch (RuntimeException re) {  
8.      System.out.print("2 ");  
9.  }  
10. finally {  
11.     System.out.print("3");  
12. }
```

- ☐ A) 1
- ☐ B) 3
- ☐ C) 1 3
- ☐ D) 2 3
- ☐ E) 1 2 3
- ☐ F) 3 1

Questão 02

Given:

```
10. public class Foo {  
11.     static int[] a;  
12.     static { a[0]=2; }  
13.     public static void main( String[] args ) {}  
14. }
```

Which exception or error will be thrown when a programmer attempts to run this code?

- A. java.lang.StackOverflowError
- B. java.lang.IllegalStateException
- C. java.lang.ExceptionInInitializerError
- D. java.lang.ArrayIndexOutOfBoundsException

Questão 03

Given:

```
11. static class A {  
12. void process() throws Exception { throw new Exception(); }  
13. }  
14. static class B extends A {  
15. void process() { System.out.println("B"); }  
16. }  
17. public static void main(String[] args) {  
18. new B().process();  
19. }
```

What is the result?

- A. B
- B. The code runs with no output.
- C. Compilation fails because of an error in line 12.
- D. Compilation fails because of an error in line 15.
- E. Compilation fails because of an error in line 18.

Questão 04

Given:

```
1. class TestException extends Exception { }  
2. class A {  
3. public String sayHello(String name) throws TestException {  
4. if(name == null) throw new TestException();  
5. return "Hello " + name;  
6. }  
7. }  
8. public class TestA {  
9. public static void main(String[] args) {  
10. new A().sayHello("Aiko");  
11. }  
12. }
```

Which statement is true?

- A. Compilation succeeds.
- B. Class A does not compile.
- C. The method declared on line 9 cannot be modified to throw TestException.
- D. TestA compiles if line 10 is enclosed in a try/catch block that catches TestException.

Questão 05

Given:

```
11. static void test() throws Error {  
12. if (true) throw new AssertionError();  
13. System.out.print("test ");  
14. }  
15. public static void main(String[] args) {  
16. try { test(); }  
17. catch (Exception ex) { System.out.print("exception "); }  
18. System.out.print("end ");  
19. }
```

What is the result?

- A. end
- B. Compilation fails.
- C. exception end
- D. exception test end
- E. A Throwable is thrown by main.
- F. An Exception is thrown by main.

Questão 06

Given:

```
11. static void test() {  
12. try {  
13. String x = null;  
14. System.out.print(x.toString() + " ");  
15. }  
16. finally { System.out.print("finally "); }  
17. }  
18. public static void main(String[] args) {  
19. try { test(); }  
20. catch (Exception ex) { System.out.print("exception "); }  
21. }
```

What is the result?

- A. null
- B. finally
- C. null finally
- D. Compilation fails.
- E. finally exception

Questão 07

Given:

```
11. Float pi = new Float(3.14f);
12. if (pi > 3) {
13. System.out.print("pi is bigger than 3. ");
14. }
15. else {
16. System.out.print("pi is not bigger than 3. ");
17. }
18. finally {
19. System.out.println("Have a nice day.");
20. }
```

What is the result?

- A. Compilation fails.
- B. pi is bigger than 3.
- C. An exception occurs at runtime.
- D. pi is bigger than 3. Have a nice day.
- E. pi is not bigger than 3. Have a nice day.

Questão 08

Given:

```
31. // some code here
32. try {
33. // some code here
34. } catch (SomeException se) {
35. // some code here
36. } finally {
37. // some code here
38. }
```

Under which three circumstances will the code on line 37 be executed? (Choose three.)

- A. The instance gets garbage collected.
- B. The code on line 33 throws an exception.
- C. The code on line 35 throws an exception.
- D. The code on line 31 throws an exception.
- E. The code on line 33 executes successfully.

Questão 09

Given:

```
33. try {  
34. //some code here  
35. } catch (NullPointerException e1) {  
36. System.out.print("a");  
37. } catch (Exception e2) {  
38. System.out.print("b");  
39. } finally {  
40. System.out.print("c");  
41. }
```

If some sort of exception is thrown at line 34, which output is possible?

- A. a
- B. b
- C. c
- D. ac
- E. abc

Questão 10

Given:

```
11. static void test() throws RuntimeException {  
12. try {  
13. System.out.print("test ");  
14. throw new RuntimeException();  
15. }  
16. catch (Exception ex) { System.out.print("exception "); }  
17. }  
18. public static void main(String[] args) {  
19. try { test(); }  
20. catch (RuntimeException ex) { System.out.print("runtime "); }  
21. System.out.print("end ");  
22. }
```

What is the result?

- A. test end
- B. Compilation fails.
- C. test runtime end
- D. test exception end
- E. A Throwable is thrown by main at runtime.

Questão 11

Given:

```
11. public static void parse(String str) {  
12. try {  
13. float f = Float.parseFloat(str);  
14. } catch (NumberFormatException nfe) {  
15. f = 0;  
16. } finally {  
17. System.out.println(f);  
18. }  
19. }  
20. public static void main(String[] args) {  
21. parse("invalid");  
22. }
```

What is the result?

- A. 0.0
- B. Compilation fails.
- C. A ParseException is thrown by the parse method at runtime.
- D. A NumberFormatException is thrown by the parse method at runtime.