Wissen technical screening - Java_2017

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Help ▾   End Test

13 Questions   Total Marks: 56.0

9 Multiple Choice Questions

Question 3   Max. Marks 3.00 ❓

Given the following piece of code, which of the following options will never be printed by this program?

```java
public class SynchronizedTest {
    private String name;

    public SynchronizedTest(String name) {
        this.name = name;
    }

    public static synchronized void staticSynchMethod() {
        System.out.print("SM1 ");
        System.out.print("SM2 ");
    }

    public synchronized void synchMethod() {
        System.out.print(name + "M1 ");
        System.out.print(name + "M2 ");
    }

    public static void main(String[] args) throws InterruptedException {
        SynchronizedTest o1 = new SynchronizedTest("O1");
        Thread t1 = new Thread() {
            @Override
            public void run() {
                o1.synchMethod();
            }
        };
        Thread t2 = new Thread() {
            @Override
            public void run() {
                staticSynchMethod();
            }
        };
        Thread t3 = new Thread() {
            @Override
            public void run() {
                staticSynchMethod();
            }
        };
        t1.start();
        t2.start();
        t3.start();
        t1.join();
        t2.join();
        t3.join();
    }
}
```

○ O1M1 O1M2 SM1 SM2 SM1 SM2

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