

<b>Your Name:</b>	
<b>SID:</b>	<b>CS162 login:</b>
<b>TA:</b>	<b>Discussion Section:</b>
<b>Score:</b>	

This is a **closed book and notes** ten-minute quiz. Write all of your answers directly on this paper.

**Good Luck!!**

1. (12 points total) True/False. Circle the correct answer for each of the following questions.

a. A CPU scheduling algorithm cannot provide both fairness and minimum average response time.

**TRUE**

**FALSE**

b. A correct application using the Banker's algorithm for all requests will never deadlock.

**TRUE**

**FALSE**

c. SRTF and SJF are optimal page replacement algorithms that cannot be implemented in practice.

**TRUE**

**FALSE**

2. (8 points total) Fill in the **TWO** blanks below.

With \_\_\_\_\_ monitors, the Signaler gives up the lock and CPU to a Waiter; the Waiter runs immediately. The Waiter gives up the lock and processor back to the Signaler when it exits the critical section or if it waits again.

With \_\_\_\_\_ monitors, the Signaler keeps lock and processor. The Waiter is placed on the ready queue with no special priority.