Q19 Results for Mualla Argin

Score for this attempt: **0** out of 4

Submitted Mar 9 at 9:59am

This attempt took 60 minutes.

Unanswered	**Question 1**	0 / 1 pts

The initial value of a counting semaphore is initialized to 7. A total of 20 P() and 15 V() operations are performed on the semaphore in that order. What will be the final value of the semaphore?

- ○ 8

- ○ 42

- ○ 7

orrect Answer
- ○ 2

Unanswered	**Question 2**	0 / 1 pts

What are the common disadvantages/issues with locks created through interrupt disabling/enabling mechanism? Mark all correct answers.

- ☐ Busy Wait

orrect Answer
- ☐ Increased latency of interrupt service

orrect Answer
- ☐ Contention for one critical section

Unanswered

Question 3   0 / 1 pts

Priority Inversion is one of the issues encountered with the simple use of test&set instruction. What is the most appropriate explanation for priority inversion?

orrect Answer

○ Priority of the thread is dynamically altered during execution

○ the thread in busy-wait loop has higher priority than the thread that has the lock

○ thread holding the lock has higher priority than the thread in busy wait loop

Unanswered

Question 4   0 / 1 pts

What does the test&set(count) return assuming the value of count prior to the execution of test&set(count) was 1?

○ 0

orrect Answer

○ 1

○ 2

Quiz Score: **0** out of 4