# Flashcards

## l7

**Q1. What is Initially, counter?**

A1. set to 0

**Q2. What is ❖ Critical section problem?**

A2. to design protocol to solve this

**Q3. What is Mutual Exclusion - If process Pi?**

A3. executing in its critical section,

**Q4. What is Progress - If no process?**

A4. executing in its critical section and there

**Q5. What is ❖ The variable turn indicates whose turn it?**

A5. to enter the critical section

**Q6. What is ❖ The flag array?**

A6. used to indicate if a process is ready to enter the critical

**Q7. What is ❖ Boolean variable indicating if lock?**

A7. available or not

**Q8. What is ❖ With each semaphore there?**

A8. an associated waiting queue

**Q9. What is ❖ When wait()?**

A9. called by a thread

**Q10. What is ❖If semaphore?**

A10. open, thread continues

**Q11. What is ❖If semaphore?**

A11. closed, thread blocks on queue

**Q12. What is ❖If a thread?**

A12. waiting on the queue, the thread is

**Q13. What is signal?**

A13. remembered for the next thread

**Q14. What is ❖ A monitor?**

A14. a programming language construct that controls access to

**Q15. What is ❖ A monitor?**

A15. a module that encapsulates

**Q16. What is If Q?**

A16. resumed, then P