Debates/Discussions – Week 7

1. Explain the following in Multiprocessor scheduling: Load balancing and Processor affinity
2. “A race condition results when several threads try to read the same data concurrently.” Is this statement true or false? Explain.
3. Suppose that a producer produces one item, and concurrently, a consumer consumes one item. Given that the value of **counter** is three (3) before the two executions, can the final counter value after the executions be two (2)? Explain. [Midterm 2015]
4. Explain why Peterson’s solution can provide mutual exclusion and progress (deadlock free).