

# Quiz#4

## CS-5Z

**Time: 8 mins**

**Q1#** If two threads are waiting on the same semaphore initialized to zero, describe the sequence of events that would occur when another thread calls ***sem\_post*** twice.

**Q2#** Write a program using a binary semaphore where:

- Three threads attempt to enter a critical section.
- Ensure only one thread enters at a time.
- Each thread prints its ID upon entering and exiting the critical section.