Course Exam Example Problem:

Multiple Choice:
Select any or all that explain differences between mutexes and semaphores?
- Mutex object enables one thread into a controlled section, forcing other threads which tries to gain access to that section to wait until the first thread has moved out from that section. Semaphore allows multiple access to shared resources
- Semaphore can be signaled from any other thread or process but mutex can only be released by thread that acquired it
- Semaphore is a synchronization tool to overcome the critical section problem, while mutex is a tool used to provide deadlock-free mutual exclusion
- Mutexes by definition are binary semaphores, so there are two states locked or unlocked