Test Chapter 1 ,2 . No Thread

1. Why is OS viewed as

User mode (unprivileged mode)

Kernel mode (privileged mode)

Process Control Block and its usage (CPU switch from to process

* State of process: new, ready, running, waiting, terminated
* Context switch
* Process scheduling – the queing mechanism: job queue, ready queue, and device queue
* Short term, medium term, and long term schedulers
* Buffering – 3 approaches
* Message synchronization – send() and received()
* Zombie, orphan, and init processes
* Fork, exc.., wait, exit
* Socket, RPC, ordinary and named pipes
* Bounded capacity ,zero capacity, unbounded capacity