2. *Continued:*

A. List the **4 necessary conditions** for a deadlock to occur in a computing system.

Mutually exclusive resources
Hold-and-wait condition
No pre-emption
Circular Waiting

B. Can **deadlock** occur in the system described above ? **If you think it can**, give an example. **If you think it cannot**, describe which necessary condition **cannot occur** that would be required for deadlock ?

No because no pre-emption is denied

C. Can **indefinite postponement** occur in the system described ? **Explain.**

Yes, IP can occur when pre-emption is allowed if a process continuously has its resources taken before it can finish its work