GSI018 – SISTEMAS OPERACIONAIS

Operating Systems – William Stallings – 7th Edition
Chapter 03 – Process Description and Control

Discente #1 – Nro. Matrícula – eMail Institucional
Discente #2 – Nro. Matrícula – eMail Institucional

REVIEW QUESTIONS

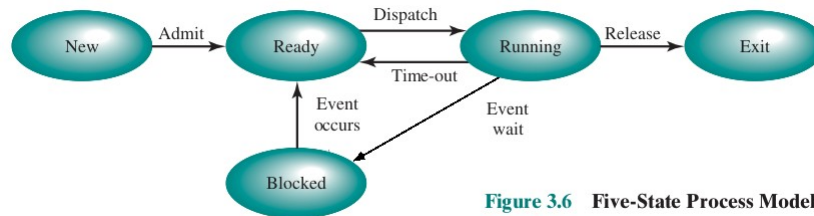**3.3.** For the processing model of Figure 3.6 , briefly define each state.

Figure 3.6   Five-State Process Model

3.4. What does it mean to preempt a process?

3.5. What is swapping and what is its purpose?

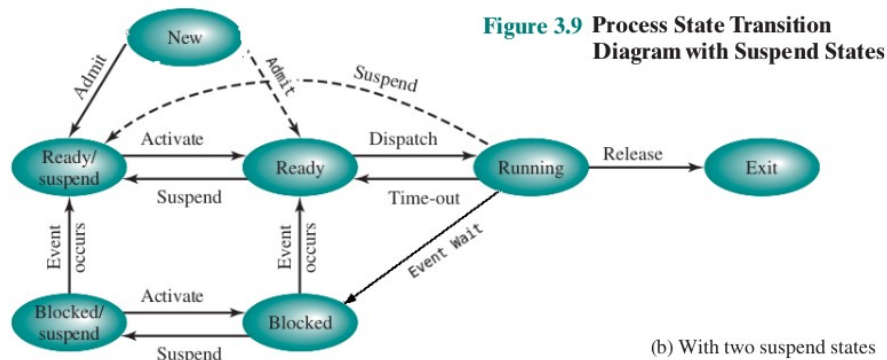**3.6.** Why does Figure 3.9b have two blocked states?

Figure 3.9 Process State Transition Diagram with Suspend States

(b) With two suspend states

PROBLEMS

3.3. Figure 3.9b contains seven states. In principle, one could draw a transition between any two states, for a total of 42 different transitions.
a. List all of the possible transitions and give an example of what could cause each transition.
b. List all of the impossible transitions and explain why.