

Name: _____

- b. Why is this technique not ideal? (5 points)

3. In the five-state process model, two of the states are “ready” and “blocked”. How do these two states differ, in terms of what it means to be in that state, how that state is entered, how that state is left, etc.? (20 points)

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6. Semaphores can be implemented using a variety of techniques, including busy-waiting, disabling interrupts, and test-and-set instructions. What are the disadvantages of each of these three techniques? (20 points)

7. Explain the similarities and differences between a monitor and a class (in an object-oriented language). (10 points)