CS 250 Spring 2017 - Lab 03

Due in lab Feb. 21-24, 2017

Submit your typewritten file in PDF format to Blackboard

**Questions**

1. [50 points] Demonstrate your shift register to your TA.
2. [20 points]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| LOAD | SHIFT | Q0(t+1) | Q1(t+1) | Meaning |
| 0 | 0 | Q0(t) | Q1(t) | Hold |
| 0 | 1 | SHIFT\_IN | Q0(t) | Shit Bit |
| 1 | 0 | D0 | D1 | Load Bits |
| 1 | 1 | **Invalid** | **Invalid** | **Invalid** |

1. [30 points] Show your circuit diagram.

*Next page…..*

