Student Name(s):	
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Experiment 5 - Registers and Counters Sign-Off Sheet

Pa	<u>rt 1. Serial in – Parallel out register</u>
1.	The D flip-flop selected is:
	While keeping the input constant, what happens to the outputs with each clock nsition?
	If LED3 is the MSB, and LED0 is the LSB, explain how you load "1010" into this gister.
<u>Pa</u>	rt 2. Ripple Counter
1.	The JK flip-flop selected is:
2.	What happens to the output of the counter shown on page 4 with each clock transition?
3.	Explain how to setup the counter to count down.

Part 3. Synchronous Counter

- 1. Draw the waveform of the **clock**, output **LED0**, and **LED1**.
- 2. Representing a state using "**LED1 LED0**", draw the state transition diagram of this counter.