



Module Name: Microprocessor Systems Laboratory

Module Code: ELCE333

Laboratory Experiment No. 6

Pre-Lab Report

Experiment Title:

HCS12 Interrupts

Partners:

Amal AlQasimi	100036830
Shaikha AlBeshar	100037064

Spring 2015

1. What is the address of the IRQ and the PTH interrupt in the HCS12 interrupt vector table?

- For IRQ the address is 0xFFFF2U

For PTH the address is 0xFFCCU

2. Upon Reset, IRQ and XIRQ hardware interrupts are _____ (edge, level) triggered.

- Edge

3. True or False. An interrupt is assigned to each bit of PTH, instead of a single interrupt to the entire PTH.

- True

4. True or False. Upon Reset, the PTH interrupt is masked

- True

5. In HCS12, indicate how you enable the peripheral interrupts globally.

- GIE: Global Interrupt Enable, enables/disables interrupts globally.

PEIE: Enable/disable all peripheral interrupts.

Use command “__asm CLI;”.

6. Which register is used to make PTH interrupt level- or edge- triggered?

- PIEH