

Name:
Red ID:

COMPE 375
LAB 09

Date:
Section:

Embedded Systems Programming Lab

Lab-09: A/D/A Conversion

1. What is an ADC?

2. ATmega328P/PB has a 12-bit ADC. True/ False?

3. How many ADC Channels does ATmega328P have?

4. Explain the ADC Auto Trigger in ATmega328P in short.

5. Which bits must be set to
 - i. Enable ADC
 - ii. Enable ADC Auto trigger
 - iii. Select Timer 0 Compare Match B as ADC Auto Trigger Source
 - iv. Select Analog Comparator as ADC Auto Trigger Source
 - v. Select ADC5 as the source for ADC Conversion
 - vi. ADC Interrupt
 - vii. Start ADC Conversion