Quiz 5
Nov. 24, 2015

1) How many Timers does your AVR processor have?

2) What is the use of ADCs? What does it mean when an ADC has 12 bit resolution with 10 channels? What would be the output ranges of ADC assuming the analogue signal ranges between 0 to 5 Volt.

3) What is the definition of Real-Time Operating System

4) Draw a timing diagram for multiple tasks with different execution times that use operating system to perform timesharing

5) Draw a basic block diagram for task states to reflect task entering, being executed, preempted and terminated.