Tutorial – Introduction to MPLA

Name:_____ Student ID:_____

Answer all the following questions (Hand-in it in the tutorial class) .

1.   Use the MPLAB to produce the machine code. What are the program memory
      content ?

2.   Use "step-over" to run the program in the step-by-step manner for one round. For
      each step, write down all the observations in WREG, program counter, and
      stop-watch window. Briefly explain the rationale of your answer.

3.   What is the clock period of the processor? Briefly explain the rationale of your
      answer.

4. What is the duration for one instruction cycle? Briefly explain the rationale of your answer.

5. How many clocks cycles for one instruction cycle? Briefly explain the rationale of your answer.

6. How many instruction cycles required for MOVLW instruction? Briefly explain the rationale of your answer.

7. How many instruction cycles required for GOTO instruction? Briefly explain the rationale of your answer.