Embedded Systems Programming Lab

1. What are Interrupts and what is an Interrupt Service Routine (ISR)?

2. Name any two types of Interrupt available in ATmega 328P/PB.

3. Answer the following:
    a. What is the purpose of PCIE1 in PCICR Register?

    b. What are PCICR and PCMSK0 Registers?

    c. What is the purpose of PCINT7 bit in PCMSK0?

4. If you want to set a Pin Change Interrupt on Pin B7, which bits must be set? (Refer to the datasheet)

5. How to enable and disable Global Interrupt?

6. How do you define an ISR() in your program? Write an ISR for pin change interrupt to toggle LED.