16.317: Microprocessor Systems Design I

Spring 2015

Lecture 19: Key Questions
March 13, 2015

1. Describe the instruction formats of the PIC 16F1829.

2. Describe how variables can be declared in PIC assembly language.

3. Describe the PIC instructions for clearing or moving registers.

4. Describe the PIC instructions for manipulating a single bit.

5. **Example:** Show the values of all changed registers after the following sequence

```
cblock    0x30
     x
     y
endc
clrw
movwf    x
movlw    0xFE
movwf    y
swapf    y, F
bcf      y, 3
bsf      x, 3
movf     y, W
```