

EECE.3170: Microprocessor Systems Design I

Fall 2016

Lecture 21: Key Questions

October 28, 2016

1. Describe the PIC instructions for increment, decrement, and complement operations.

2. Describe the PIC instructions for addition and subtraction.

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

```
cblock    0x20
    varA
    varB
    varC
endc
clrf     varA
clrf     varB
clrf     varC
incf     varA, W
sublw    0x0F
addwf    varB, F
decf     varB, F
comf     varB, W
subwf    varC, F
```

4. Describe the PIC instructions used for multi-bit bitwise operations.

5. Describe the PIC shift and rotate instructions.