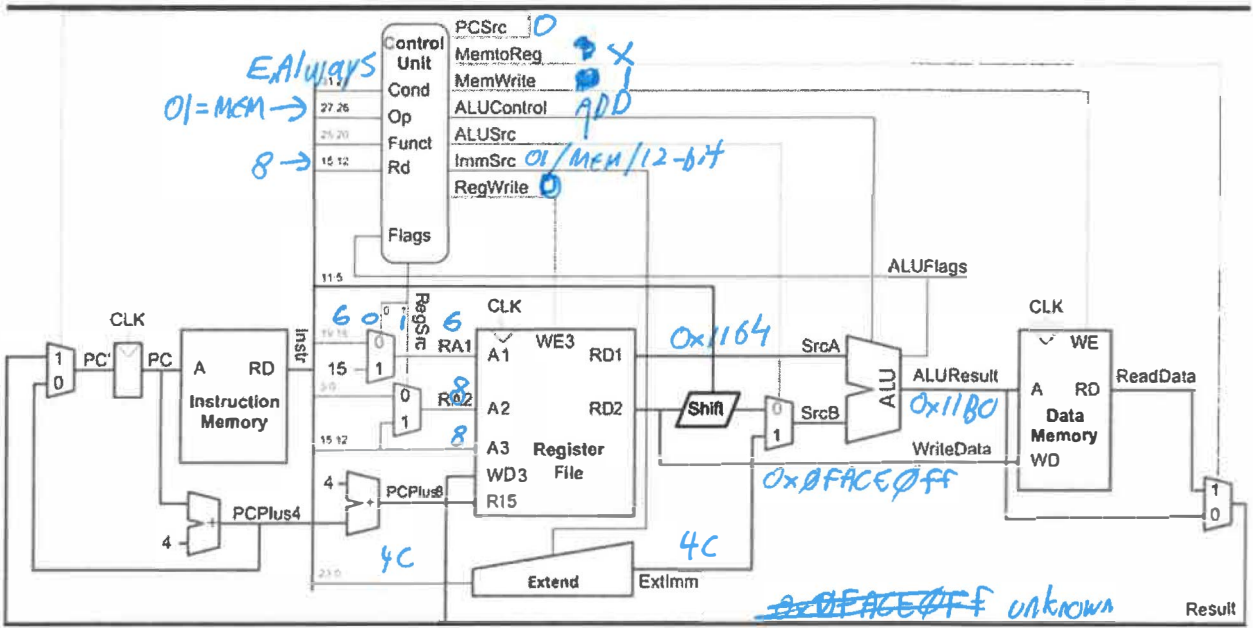Name **Answers**

CE-1921 – Dr. Durant – Quiz 6
Spring 2018, Week 6

Given the instruction `str r8,[r6,#4C],` that r6 contains 0x1164, and that r8 contains 0x0FACE0FF, label the single-cycle processor below taken from Figure 7.17 of your book with

- (5 points) All control signals (X if don't care; for non-MUXes use meaningful name, e.g. add, eor, etc. for ALUControl; don't forget RegSrc; active-high)
- (5 points) All relevant datapath values (e.g., if ALUFlags aren't used, you can leave them unlabeled) except PC-related values and control unit Instr inputs

ALUResult 0x 1164
        + 0x 4C
        ─────────
          1180

Can omit PCSrc, but must be right if shown

A3 is 8, but unused/X