

Q2)

1w \$s0, 32(\$t2)

- + The ALU computes the sum of the value read from the register file and the sign-extended, lower 16 bits of the instruction (offset).

- + The sum from the ALU is used as the address for the data memory.

- + The data from the memory unit is written into the register file; the register

destination is given by bits 20:16 of the instruction (\$s0).

