Name: CSCI 250: Quiz 7 Wednesday, July 19, 2017
Summer II

Question 1) Show the binary (machine language) equivalent for the following MIPS:

sw $t0, 20_{10}($s0)

1	0	1	0	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0

slt $t5, $s4, $t5

0	0	0	0	0	0	1	0	1	0	0	0	1	1	0	1	0	1	1	0	1	0	0	0	0	0	1	0	1	0	1	0

Question 2) Show the MIPS equivalent to the following binary:

0 0 0 0 0 0 0 0 1 0 0 1 0 1 1 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 1 0 1

or $s0 $t1 $t4

0 0 0 0 0 0 1 0 1 1 0 1 0 1 1 0 0 1 1 0 0 0 0 0 0 0 0 1 0 0 0 1 0

sub $t4 $s6 $s6

Question 3) Translate the following MIPS code to binary (machine language):

bne $s1, $s0, L1
addi $s2, $s2, 1
L1: addi $s0, $s2, -1

0	0	0	1	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	0	1	0	0	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	0	1	0	0	0	1	0	0	1	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1