Computer Architecture (CS-E) Quiz3
Date: 11-12-2018
Roll No:
Question1:

add \$4,\$0,\$0
Loop: add \$1,\$4,\$6
lw \$2,0(\$1)
lw \$3,1(\$1)
sw \$0,0(\$1)
addi \$4,\$4,1
beq \$0,\$4,Loop

Show the optimum scheduling of the above instructions if the loop executes for only 1 iteration. Your scheduling should work for a 2-issue processor where first slot can issue a mem instruction while the second can take arithmetic and branch instruction.