

BS Computer and Software Engineering

Computer Organization and Assembly Language

Quiz# 2, Spring 2025

Tuesday February 04, 2025

Name: _____

Roll Number: _____

Maximum Time Allowed: 10 minutes

Maximum Marks: 10

Translate the following C code to RISC-V. Assume that the variables f, g, h, i, and j are assigned to registers x5, x6, x7, x28, and x29, respectively. Assume that the base address of the arrays A and B are in registers x10 and x11, respectively. Assume that the elements of the arrays A and B are 8-byte words:

`B[4] = A[i] + A[j];`