

CMPUT 229 - Computer Organization And Architecture I

Quiz #0 — Winter 2014

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Name: Solution

CMPUT 229 Honor Code

By turning in the quiz solution for grading, I certify that I have produced the solution in accordance to the academic integrity policies in Section 26.1 of the University of Alberta 2013/2014 Calendar.

Question 1 (10 points):

This is a true or false question. For each statement you have to indicate whether the statement is true or false. Use the capital letter T to indicate true, and the capital letter F to indicate false. You win 2 points for each correct answer. You lose 1 point for each incorrect answer. You are neither rewarded nor penalized for statements that you do not mark. If you mark all statements correctly you will earn a maximum of 10 points in this question. Regardless of how many statements you mark wrong, your score in this question cannot be below zero.

- a. (F) The *control* component of the processor performs arithmetic operations.
- b. (T) The *instruction set architecture* of a computer specifies the vocabulary required by the program to execute instructions in the hardware.
- c. (F) *Volatile* memory is the safest place to store data, as it retains data even without power.
- d. (T) *Assembly* language is a symbolic representation of binary *machine* language.
- e. (T) *Embedded* computers often have more limited power resources than general-purpose computers.