University of Toronto, St. George Campus
Department of Computer Science

CSC 165H1 F
Fall 2006

Quiz #1

Name: ______________________

Marker's name: ______________________

Instructions to student: Write your answers in the space provided and leave the right column blank. You must write your answers only in pen.

Instructions to marker: Write only in the right column, and clearly indicate the mark you believe is deserved. Award 1 full mark if answer is fundamentally correct, 0 marks otherwise (no $^1/_2$ marks).

Consider the following statement about CSC 165 students:

For marking only:

(1) All perfectionists are quiet.

a. Write (1) symbolically, using P, Q and S appropriately.

1 mark: correctness

b. Draw a Venn diagram for (1) and shade *all* regions that *could* contain a counterexample to (1).

2 marks:
1 for Venn diagram,
1 for shading

c. Suppose a student named Richard is *not* quiet. Assuming (1) is true, is Richard a perfectionist? Justify briefly.

1 mark: correctness

d. Write the contrapositive of (1) in natural English.

1 mark: correctness

Total: ________