UNIVERSITY OF TORONTO
Faculty of Arts & Science

DECEMBER 2019 EXAMINATIONS

CSC 165 H1F
Instructor(s): Danny Heap

Duration: 3 hours

Aids Allowed: Sorry, no aids.

*Do **not** turn this page until
you have received the signal to start.*
In the meantime, write your name, student
number, and UTORid below (please do this
now!) and *carefully* read *all* the information
on the rest of this page.

First (Given) Name(s):

Last (Family) Name(s):

10-Digit Student Number:

UTORid (e.g., `pitfra12`):

- This final examination consists of 8 questions on 18 pages (including this one), printed on both sides of the paper. *When you receive the signal to start, please make sure that your copy of the examination is complete.*

- Answer each question directly on the examination paper, in the space provided, and use a "blank" page for rough work. If you need more space for one of your solutions, use one of the "blank" pages and *indicate clearly the part of your work that should be marked.*

- *Remember that, in order to pass the course, you must achieve a grade of at least **40%** on this final examination.*

- As a student, you help create a fair and inclusive writing environment. If you possess an unauthorized aid during an exam, you may be charged with an academic offence.

- You may reference and use external facts only from course notes, problem set solutions, lecture examples, and worksheet solutions.

MARKING GUIDE

N⁰ 1: _____ / 8

N⁰ 2: _____ / 8

N⁰ 3: _____ / 8

N⁰ 4: _____ / 4

N⁰ 5: _____ / 8

N⁰ 6: _____ / 8

N⁰ 7: _____ / 8

N⁰ 8: _____ / 8

TOTAL: _____ /60