

PLEASE HAND IN

UNIVERSITY OF TORONTO
Faculty of Arts and Science
DECEMBER 2008 EXAMINATIONS

PLEASE HAND IN

CSC 363 H1F
Instructor(s): F. Pitt
Duration — 3 hours

Examination Aids: *One* 8.5" × 11" sheet of paper, *handwritten* on both sides.

Student Number: _____
Last (Family) Name(s): _____
First (Given) Name(s): _____

Do not turn this page until you have received the signal to start.
In the meantime, please read the instructions below carefully.

This final examination paper consists of 8 questions on 11 pages (including this one), printed on one side of each sheet. *When you receive the signal to start, please make sure that your copy of the final examination is complete, fill in the identification section above, and write your student number where indicated at the bottom of every page (except page 1).*

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

In your answers, you may use without proof any result or theorem covered in lectures, tutorials, homework, tests, or the textbook, as long as you give a clear statement of the result(s)/theorem(s) you are using. You must justify all other facts required for your solutions.

Write up your solutions carefully! In particular, use notation and terminology correctly and explain what you are trying to do — part marks *will* be given for showing that you know the general structure of an answer, even if your solution is incomplete.

If you are unable to answer a question (or part), you will get 20% of the marks for that question (or part) if you write “I don’t know” and nothing else — you will *not* get those marks if your answer is completely blank, or if it contains contradictory statements (such as “I don’t know” followed or preceded by parts of a solution that have not been crossed off).

MARKING GUIDE

| | |
|--------------|----------|
| # 1: | _____/10 |
| # 2: | _____/10 |
| # 3: | _____/10 |
| # 4: | _____/10 |
| # 5: | _____/10 |
| # 6: | _____/10 |
| # 7: | _____/10 |
| # 8: | _____/20 |
| BONUS MARKS: | _____/10 |
| TOTAL: | _____/90 |