

PLEASE HAND IN

UNIVERSITY OF TORONTO  
AT MISSISSAUGA  
Faculty of Arts and Science  
DECEMBER 2004 EXAMINATIONS

PLEASE HAND IN

CSC 363H5 F  
Instructor: A. Magen  
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 fill out the identification section above,  
and read the instructions below *carefully.*)

This final examination consists of 7 questions on 11 pages (including this one), printed on one side of the paper. *When you receive the signal to start, please make sure that your copy of the examination is complete and write your student number at the bottom of every page, where indicated.*

Answer each question directly on the examination 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 during the course in lectures, tutorials, assignments, or term tests. You must justify all other facts required for your solution.

If you are unable to answer a question (or part of a question), you will get 20% of the marks for the question (or part of the question) if you state clearly that you do not know how to answer. Note that you will *not* get those marks if your answer is completely blank or 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: \_\_\_\_\_/ 20
- # 2: \_\_\_\_\_/ 10
- # 3: \_\_\_\_\_/ 10
- # 4: \_\_\_\_\_/ 10
- # 5: \_\_\_\_\_/ 10
- # 6: \_\_\_\_\_/ 20
- # 7: \_\_\_\_\_/ 30

TOTAL: \_\_\_\_\_/110

*Good Luck!*