

PLEASE HAND IN

UNIVERSITY OF TORONTO  
FACULTY OF ARTS AND SCIENCE

DECEMBER 2012 EXAMINATIONS

CSC 104H1F  
DURATION — 3 HOURS

PLEASE HAND IN

ALLOWED AIDS: ONE 8.5" X 11" HANDWRITTEN AID SHEET (BOTH SIDES)

STUDENT NUMBER: \_\_\_\_\_

LAST NAME: \_\_\_\_\_

FIRST NAME: \_\_\_\_\_

*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.)

# 1: \_\_\_\_\_/10

# 2: \_\_\_\_\_/10

# 3: \_\_\_\_\_/ 6

# 4: \_\_\_\_\_/10

# 5: \_\_\_\_\_/10

# 6: \_\_\_\_\_/10

# 7: \_\_\_\_\_/10

# 8: \_\_\_\_\_/10

# 9: \_\_\_\_\_/10

TOTAL: \_\_\_\_\_/86

This exam consists of 9 questions on 16 pages (including this one).  
*When you receive the signal to start, please make sure that your copy of the exam is complete.*

Please answer questions in the space provided. You will earn 20% for any question you leave blank or write "I cannot answer this question," on. You may earn substantial part marks for writing down the outline of a solution and indicating which steps are missing.

Write your student number at the bottom of pages 2-16 of this exam.

*Good Luck!*