

PLEASE HAND IN

UNIVERSITY OF TORONTO  
FACULTY OF ARTS AND SCIENCE

APRIL 2013 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: \_\_\_\_\_/ 9

# 3: \_\_\_\_\_/10

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

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

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

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

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

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

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

TOTAL: \_\_\_\_\_/94

This exam consists of 10 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!*