UNIVERSITY OF TORONTO
Faculty of Arts and Science

April 2016 Examinations

CSC 148H1S
Duration — 3 hours
No aids allowed.

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.)

This exam consists of 7 questions on 15 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.

You must achieve 40% of the marks on this final exam, to pass this course.

Write your student number at the bottom of pages 2-15 of this exam.

There is a Python API at the end of this exam that you may tear off for reference.

\# 1: _____/ 8

\# 2: _____/ 6

\# 3: _____/ 8

\# 4: _____/ 8

\# 5: _____/ 8

\# 6: _____/ 8

\# 7: _____/ 8

TOTAL: _____/54

Good Luck!