

PLEASE HAND IN

UNIVERSITY OF TORONTO
Faculty of Arts and Science

April 2016 Examinations

CSC 148H1S
Duration — 3 hours

PLEASE HAND IN

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!