

PLEASE HAND IN

UNIVERSITY OF TORONTO  
Faculty of Arts and Science

DECEMBER 2017 EXAMINATIONS

CSC 108 H1F

Instructor(s): Campbell, Fairgrieve,  
and Smith

Duration—3 hours

No Aids Allowed

PLEASE HAND IN

You must earn at least 28 out of 70 marks (40%) on this final examination in order to pass the course. Otherwise, your final course grade will be no higher than 47%.

Student Number: \_\_\_\_\_ UTORid: \_\_\_\_\_

Family Name(s): \_\_\_\_\_ First Name(s): \_\_\_\_\_

---

*Do not turn this page until you have received the signal to start.*  
*In the meantime, please read the instructions below carefully.*

---

MARKING GUIDE

This Final Examination paper consists of 12 questions on 21 pages (including this one), printed on both sides of the paper. When you receive the signal to start, please make sure that your copy of the paper is complete and fill in your Student Number, UTORid and Name above.

- Comments and docstrings are not required except where indicated, although they may help us mark your answers.
- You do not need to put import statements in your answers.
- No error checking is required: assume all function arguments have the correct type and meet any preconditions.
- If you use any space for rough work, indicate clearly what you want marked.
- Do not remove pages or take the exam apart.

# 1: \_\_\_\_\_/ 6  
 # 2: \_\_\_\_\_/ 4  
 # 3: \_\_\_\_\_/ 6  
 # 4: \_\_\_\_\_/ 4  
 # 5: \_\_\_\_\_/ 4  
 # 6: \_\_\_\_\_/ 6  
 # 7: \_\_\_\_\_/ 6  
 # 8: \_\_\_\_\_/ 3  
 # 9: \_\_\_\_\_/ 5  
 # 10: \_\_\_\_\_/ 6  
 # 11: \_\_\_\_\_/12  
 # 12: \_\_\_\_\_/ 8

TOTAL: \_\_\_\_\_/70