Please print in pen:
Waterloo Student ID Number:

WatIAM/Quest Login Userid:

Times: Wednesday 2018-02-28 at 16:30 to 18:20 (4:30 to 6:20PM)
Duration: 1 hour 50 minutes (110 minutes)
Exam ID: 3703075
Sections: CS 241 LEC 001-005
Instructors: Gordon Cormack, Gregor Richards, Troy Michael Vasiga

Closed Book
Candidates may bring no aids (no calculators).

Number of exam pages: 12 (including this cover sheet)
Additional Material Allowed (Provided):
MIPS Reference Sheet
Number/Character Conversion Reference Sheet

Instructions

• Calculators are not allowed.

• Do not open the examination until the start of the exam is announced.

• Do not separate the pages of the examination.

• If you need additional space, you are probably writing too much. If you really think you need more space, use the last page, and indicate clearly that you have done so. If you make a mistake be sure to cross it out clearly so we are sure which answer to mark.

• In the interests of fairness and to treat all students equally, we cannot answer any questions about the examination. If you believe there to be an error in the examination paper, you may bring it to our attention. If we determine that there is an error, we will inform the entire class. Otherwise, clearly state any extra assumptions you feel necessary to answer a question.