



Examination Final Fall 2023 CS 430

Open Book

Candidates may bring any reasonable aids.

Please print in pen:

Waterloo Student ID Number:

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WatIAM/Quest Login Userid:

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Times: Saturday 2023-12-16 at 16:00 to 18:30 (4 to 6:30PM)

Duration: 2 hours 30 minutes (150 minutes)

Exam ID: 5448065

Sections: CS 430 LEC 001

Instructors: Collin Roberts

Additional Materials Allowed: Any - this is an **open book** exam.

Instructions (Read carefully before the exam begins):

1. Before you begin, make certain that you have one exam booklet containing 28 pages, and one reference sheet.
2. **Free-Form Answer Questions**
 - (a) Provide a concise answer to each question in the space provided in this exam booklet.
 - (b) An answer in point form is preferred whenever possible.
 - (c) If you need more space to complete an answer, you are likely writing too much.
 - (d) However, if you need more space, then use the blank pages at the end of the free-form answer section, and indicate that you have done so in the space for the original question.
3. **Multiple Choice Questions**
 - (a) Fill in the best answer for each question **on the answer page provided at the end of this exam booklet.**
 - (b) Answers indicated on the question pages in this exam booklet **will not be marked.**

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