



Examination Final Fall 2022 CS 240

Closed Book

Candidates may bring no aids (no calculators).

Please print in pen:

Waterloo Student ID Number:

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WatIAM/Quest Login Userid:

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Times: Thursday 2022-12-15 at 09:00 to 11:30

Duration: 2 hours 30 minutes (150 minutes)

Exam ID: 4987923

Sections: CS 240 LEC 001-003

Instructors: Arne Storjohann, Collin Roberts

Prob.	Max
1	9
2	8
3	7
4	6
5	8
6	8
7	6
8	6
9	4
10	8
11	8
12	8
13	8
14	6
Total	100

Guidelines:

- Closed book exam.
- No aids or calculator allowed.
- Write your answers clearly and legibly in the boxes provided. You should not need extra space. However, if you do need more space, you may use the three pages “Extra page A”, “Extra page B” and “Extra page C” at the back of the exam, and **indicate clearly on the question page that you have done so.**
- Unless otherwise indicated, you may state any result from lectures without proof.
- Students may not leave the examination room during the first 60 or final 10 minutes.

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