CSCA20 Fall 2023 Final Exam
Duration — 2 hours and 50 minutes
Aids allowed: Printed Material Only,
No Electronic Devices

Student Number: |_|_|_|_|_|_|_|_|_|_|_|

UTORid: |_|_|_|_|_|_|_|_|_|_|_|

Family Name: _____ **Given Name:** _____

Read and follow all instructions on this page, and fill in all fields appropriately.

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*Do **not** turn this page until you have received the signal to start.*
(Please fill out the identification section above, and read the instructions below.)
Good Luck!

This exam is double-sided, and consists of 7 questions on 16 page (including this one). When you receive the signal to start, please make sure that you have all pages.

- Write your details on the top of the first page.
- If you use any space for rough work, indicate clearly what you want marked.