

**Final:** Friday, 12/13/2024, 8-11am, CIF 0027/1025

**Conflict:** Monday, 12/16/2024, 8-11am, CIF 1035

|                     |  |
|---------------------|--|
| Name:               |  |
| NetID:              |  |
| Name on Gradescope: |  |

- **FILL SCANTRON PATTERN** as detailed below.
- If you brought anything except your writing implements, your double-sided **handwritten** (in the original)  $8\frac{1}{2}'' \times 11''$  cheat sheet, and your university ID, please put it away for the duration of the exam. In particular, please turn off and put away *all* medically unnecessary electronic devices.  
If you are NOT using a cheat sheet, please indicate so in large friendly letters on this page.
- **Best answer.** Choose best possible choice if multiple options seems correct to you – for algorithms, faster is always better (as long as the answer is **correct**).
- Please ask for clarification if any question is unclear.
- This exam lasts **170 minutes**.
- Fill your answers in the Scantron form using a pencil. We also recommend you circle/mark your answer in the exam booklet.
- Please submit you answer booklet and scantron sheet.
- Do not fill more than one answer on the Scantron form - such answers would not be graded. Also, fill your answer once you are sure of your answer – erasing an answer might make the form unscannable.
- There is no penalty for wrong answers.
- *Good luck!*

**Fill the pattern: Before doing the exam...**

- Fill your name and netid in the back of the Scantron form, and also on the top of this page.
- **Fill in the pattern shown on the right in the Scantron form.**

This encodes which version of the exam you are taking, so that we can grade it.

|    |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|
| 91 | ●   | (B) | (C) | (D) | (E) |
| 92 | ●   | (B) | (C) | (D) | (E) |
| 93 | ●   | (B) | (C) | (D) | (E) |
| 94 | ●   | (B) | (C) | (D) | (E) |
| 95 | (A) | (B) | (C) | ●   | (E) |
| 96 | (A) | (B) | ●   | (D) | (E) |

