

## Assignment 1



**Course** CS 4341 – 501/502/503  
**Course Title** Digital Logic & Computer Design  
**Term** Fall 2022

**Due by** 10/02/2022 at 11:59PM CST

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### General Instructions

- Assignment is due on or before **Sunday 10/02/2022 at 11:59PM CST**
- This assignment is meant to be solved completely by individual students and not in groups.
- All problems are mandatory.
- Assignment submissions must be uploaded to the designated folder in eLearning. No manual submissions are accepted.
- Assignments **will not** be accepted late, unless eLearning has an accessibility issue and I'm informed about it. The submission URL will be disabled after the due-date, and hence no late submissions will be possible.
- Any form of dishonesty will result in a score of **0** on the entire assignment. Any students involved will, according to Departmental Policy, be referred to the Director of Community Standards & Conduct for adjudication.

### Grading Policy

- Grading may or may not be based on all the problems. So do not take risks by missing any problem solution.
- 40% of the grade for the correct answer
- 50% of the grade for showing your work and solution steps (unless a straightforward question)
- 10% for the submission report organization and format

### Assignment Problems

Solve the following problems from your textbook:

- **Chapter 1:** 12, 16 (c, d), 18 (c, d), 20 (d), 22 (c, d), 24 (d), 30 (c, d, e), 40 (d), 42, 56 (b, d, e, f), 73, 74, 82, 84 (Bonus), 88 (Bonus)
- **Chapter 2:** 2, 6, 8, 12, 14, 16, 24, 26, 28, 36, 38 (Bonus), 40, 42 (a, b), 44

**GOOD LUCK!**