HW1 ECE2060 Sp 2022

Lectures Covered: Lesson5 - Lesson8

Show all the relevant steps. Don't simply write down the final answers.

Submit your answers in Word or pdf format to Carmen. Write all your answers on the provided assignment. You can add your own pages to the assignment if you run out of space.

Do not email directly to your TAs or me. Files emailed directly to the TAs or me will not be accepted. Fill out the following

Please provide the following information:

Your Last Name_____ Your First Name_____

OSU email _____

HW1 ECE2060 Page 2

The problem numbers are from your text book (both the 6th and 7th edition will work)

Prob. 1: 4.6) a.)

The problem numbers are from your text book (both the 6th and 7th edition will work)

2) Problem 4.7

The problem numbers are from your text book (both the 6th and 7th edition will work)

3) Problem 4.13 (Use K-Maps to simplify)

The problem numbers are from your text book (both the 6th and 7th edition will work)

4) Problem 4.25 (a)

The problem numbers are from your text book (both the 6th and 7th edition will work)

5) Problem 4.25 (b)

The problem numbers are from your text book (both the 6th and 7th edition will work)

6) Problem 5.14 c. Instead of the expression given in the book use $f_3 = rs' + r't' + st'$. You can use K-Maps to answer this question.

The problem numbers are from your text book (both the 6th and 7th edition will work)

7) Problem 5.14 f. Use K-Maps.

The problem numbers are from your text book (both the 6th and 7th edition will work)

8) Problem 5.17

The problem numbers are from your text book (both the 6th and 7th edition will work)

9) Problem 5.24 b. Use K-maps (d represents don't care)

HW1 ECE2060 Page 11

The problem numbers are from your text book (both the 6th and 7th edition will work)

10) Problem 5.29 a, b, c (ignore the part of the problem statement that says "express your answer in both decimal and algebraic notation". Just express your answer as an algebraic expression)