

EE 2720, fall 06  
Materials for Test 2

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(1)

Materials for test 2

You are responsible for the following materials:

Handout # 5: From handout # 5 you are only responsible to know the theorems of switching algebra; no proofs.

Handout # 6: You are only responsible for multiplying out and factoring.

Handout # 7: You are only responsible for applications of multiplying out and factoring in transforming an OR-AND logic circuit into an AND-OR logic circuit and vice versa.

Handout # 8: You are responsible for everything.

Handout # 9: You are responsible for everything.

Handout # 10: You are responsible for:  
a) Realization of a logic function using only NAND gates (both algebraic and graphical techniques)

EE 2720, Fall 06  
Materials for test 2, cont.

(2)

b) Realization of a logic function using only NOR gates (both algebraic and graphical technique).

Handout # 11: You are only responsible for the 2-input Exclusive-OR gate and the ~~2~~ 2-input Exclusive-NOR gate.

Handout # 12: You are only responsible for the topic of given a diagram of a circuit and given the inputs, find expression(s) for the output(s).

Handout # 13: You are responsible for everything.

Handouts # 14, 15, 16, 16a: These

handouts are on Karnaugh maps. You are responsible for everything. What you should know is using Karnaugh maps, find simplified sum-of-products and simplified product-of-sums expressions (with and without don't cares) for logic functions.

END.