Name: KEY Id#

COE 202, Term 141

Digital Logic Design

Quiz# 2

Date: Thursday, Oct. 16

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**Q1** Use Boolean algebra to solve the following questions. Show clearly all your steps.

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|  |
| d. Express F in the logic diagram shown as a function of the input variables.  Do not do any logic manipulations. |

**Q2.** Given the Boolean function :

1. Express F as a **sum-of-minterms**, .
2. Find the ***algebraic* product-of-Maxterms** expression for *F*.
   1. F’ = X’ Y’ + X’ Z’ + X Z =

.

**Q3.** Given and express the function as a sum-of-minterms.