Name: Id#

COE 202, Term 142

Digital Logic Design

Quiz# 2

 Date: Sunday, Feb. 22

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

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| **Q2.** Given the Boolean function $F\left(X,Y,Z\right)=\left(XY+Z\right)(\overbar{X}\overbar{Y}+\overbar{Z})$: 1. Express F as a **product-of-Maxterms**, $F=\prod\_{}^{}M$.
2. Find the ***algebraic* sum-of-minterms** expression for *F*.
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