Name: Id#

COE 202, Term 151

Digital Logic Design

Quiz# 2

 Date: Thursday, Sep. 17

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**Q1** Use Boolean algebra to simplify the following equations into the given number of literals in sum-of-product form. Show clearly all your steps.

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| **Q2.** Given the Boolean function $F\left(X,Y,Z\right)=\left(X+Y\right)(\overbar{X}\overbar{Y}+X Z)$: 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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