

**KING FAHD UNIVERSITY OF PETROLEUM & MINERALS**  
**Department of Electrical Engineering**  
**EE200 Digital Logic Circuit Design**

<b>6 November 2010</b>	<b>Quiz #3</b>	<b>Section: 03</b>
<b>Student's Name :</b>		<b>I.D.# :</b>

1. Determine if the Boolean functions  $F = (a + b)' \oplus a$  and  $G = a + b'$  are equivalent **Using a truth table.**
  2. Express the function  $F = (x' + yz')' + xy'z$  in a canonical product of maxterms.
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Do not write below this line

*Instructor : Dr. M.M. Dawoud*

*(101)*

<b>Score :</b> <span style="font-size: 1.2em; font-weight: bold;">/10</span>
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