KING FAHD UNIVERSITY OF PETROLEUM & MINERALS
Department of Electrical Engineering

EE200-03 Digital Logic Circuit Design	Quiz # 2	12 October 2005 /10

Student's Name:	I.D.#:

1. **Reduce the following Boolean function to the minimum number of literals:**

$$F(A,B,C,D)=(B'C'+D)'+D+BC+AD$$

2. **Obtain the truth table of the following Boolean function and then express it as a sum of minterms and product of maxterns.**

$$F(x,y,z)=yz'+xy+xz$$

Instructor : Dr. M.M. Dawoud   *(051)*

Score :   */10*