Quiz #3
No books, no notes
no electronics except for clicker
Question #1 (2min)

For the circuit below, what is output F(A,B,C)?

A. $\Sigma m(1,3,6,7)$
B. $\Sigma m(1,3,5,6)$
C. $\Sigma m(2,4,5,7)$
D. $\Sigma m(2,4)$
E. None of the above
Question #2 (2min)

What does this circuit represent?

A. Half Adder
B. Full Adder
C. Decoder
D. Encoder
E. None of the above
Question #3 : 3 min

Function F in the circuit below is:

A. BC
B. B + C
C. A XOR C
D. B XOR C
E. None of the above
Question #4 (4min)

What is the output F of the circuit below when A = 1, B = 1 and C = 0?

A. $F = ABCD$
B. $F = (A' + B' + C)D'$
C. $F = D'$
D. $F = D$
E. None of the above
Question #5 (4min)

Function Y implemented by the circuit shown below is:

A. \( Y=ABC \)
B. \( Y=AB \)
C. \( Y=A \)
D. \( Y=A+B \)
E. None of the above

Note: DeMux outputs not connected to the selected input are zero.