

## ECE 223 LAB EXPERIMENT 3

### Preparation Part:

Simplify below functions if possible and then draw the logic circuits.  
Draw truth tables also.

1)  $F1(x,y,z) = xyz + z'$

2)  $F2(x,y,z) = xy'z + xy' + z$

### Experiment Part:

- 1) Set up the logic circuit F1 in preparation part and show the result to your instructor.
- 2) Set up the logic circuit F2 in preparation part and show the result to your instructor.