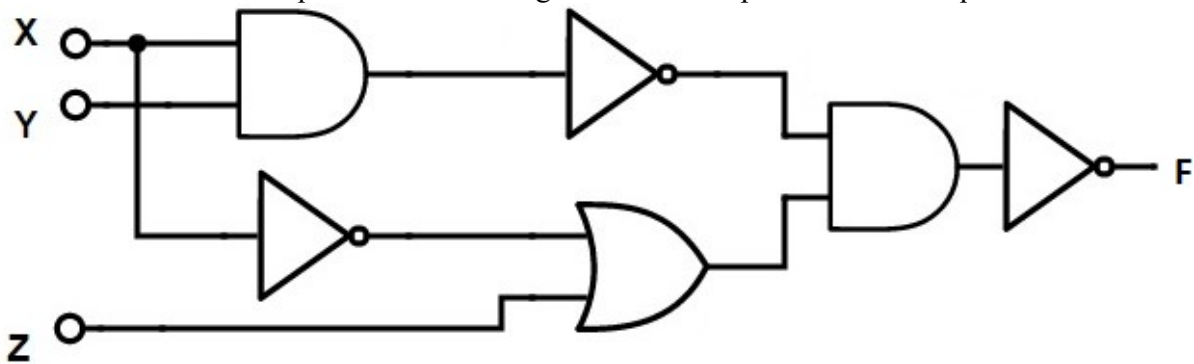


**ASSIGNMENT: 4 COMBINATIONAL DIGITAL CIRCUIT**

2. Implement the given function using multiplexer.  $F(A, B, C) = \Sigma(1, 3, 5, 6)$

3. Simplify Boolean Function :  $F=A'B'C+A'BC+AB'$ .

4. Find the Boolean Equation for following circuit and simplified Boolean equation.



5. Draw logic circuit of Full Adder and Full Subtractor with truth table.