

**DEPARTMENT: ELECTRICAL** 

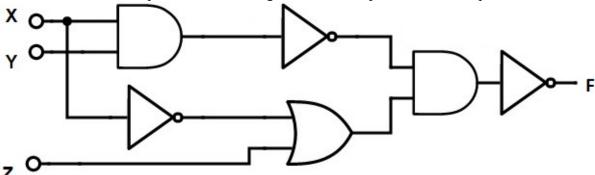
SEMESTER: 3<sup>RD</sup>

**SUBJECT NAME: ANALOG AND DIGITAL ELECTRONIC** 

SUBJECT CODE: 3130907
FACULTY NAME: SUNIL PATEL

## **ASSIGNMENT: 4 COMBINATIONAL DIGITAL CIRCUIT**

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

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