

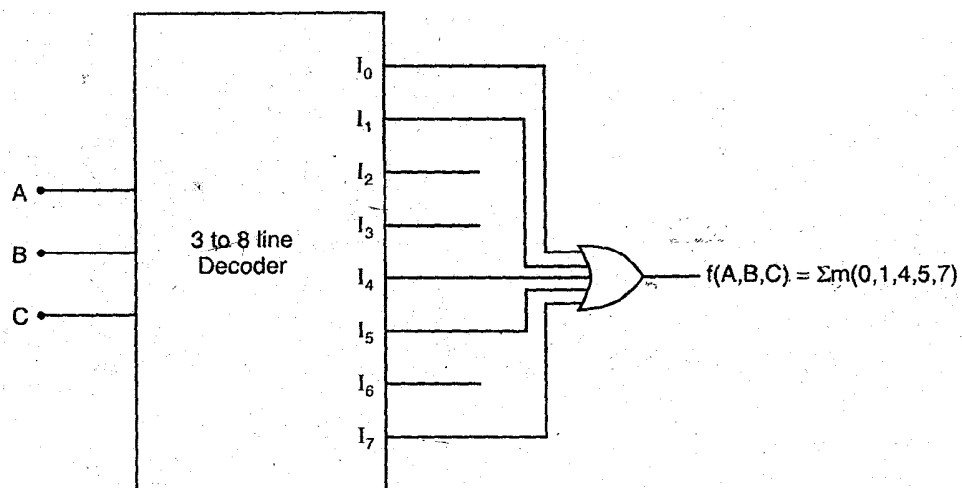
## PROBLEMS

Implement the following function using 3 to 8 decoder

$$f(A, B, C) = \sum m(0, 1, 4, 5, 7)$$

Ans.  $f(A, B, C) = \sum m(0, 1, 4, 5, 7)$

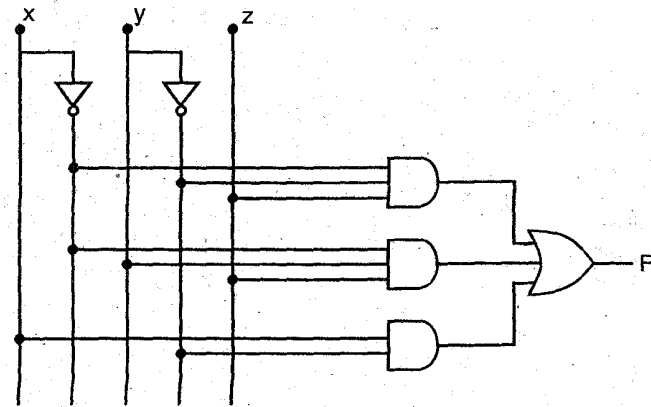
Implementation using 3 to 8 decoder:



Draw the logic circuit for the expression

$$F = \bar{x}\bar{y}z + \bar{x}y\bar{z} + x\bar{y}$$

Logic Circuit:



Draw the logic circuit for the expression

$$F = \bar{A}B + A\bar{B}\bar{C}.$$

Ans.

