CSE 2-60 Assignment 02

(b). F(A)B,C,D). (AB'C'D'+ AD+(B+D')

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(('a+a)+(a))+(a+p)) = x, on + (a+p')) = x, on +

Ans to the or no 1

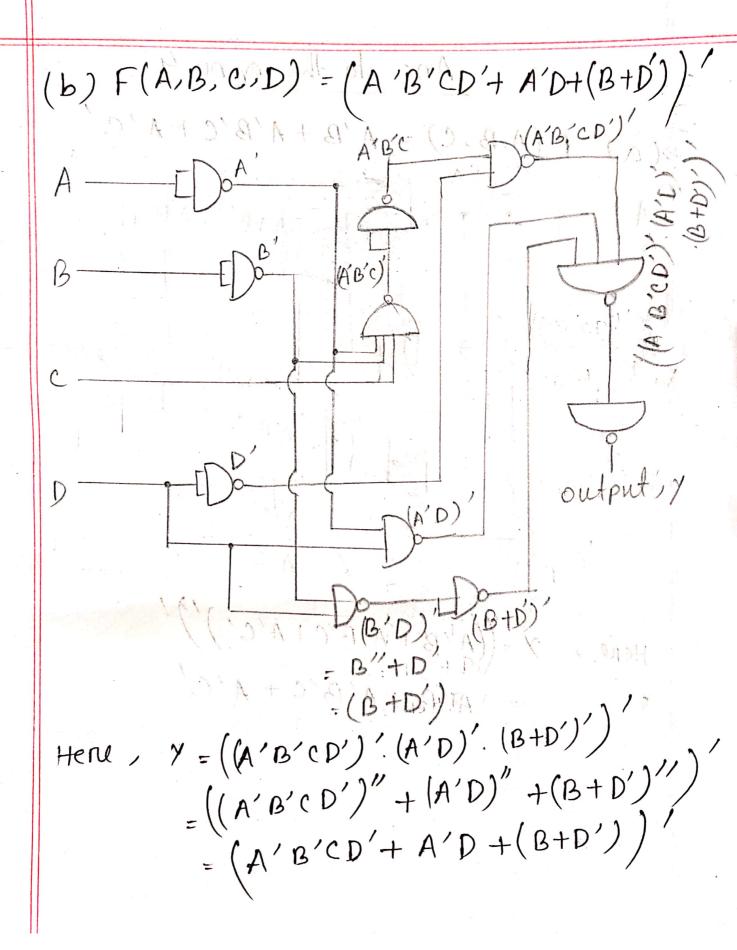
$$\frac{Q}{X'yz' + \chi'yz + \chiyz + \chi'yz'}$$
= $\chi'yz' + \chi'yz + \chi'yz + \chi'yz$
= $\chi'yz' + \chi'yz + \chiyz$
= $\chi'yz' + \chi'yz + \chiyz$
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Ans to the or no 2
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(SWV) Z-1-17
(a) x'y'+ x7'
= (x4x') an (x+x') of [Dual of the function]
= (x +y) (x +y) [compliment literals]
 NN'+NY+N'Y+Y.Y
  0 + \gamma (\chi + \chi') + \gamma \left[ \chi \cdot \chi = \chi, \chi \cdot \chi' = 0 \right]
                       [x+x'=1]
= y (Ans)
(b) (x'+y++) (x'+y') (x++)
= (N'. Y'. Z') + (N'. Y') + (N . Z') [Dud]
= (N. y'. Z) + (N. y) + (N'. Z) [compliment literals]
 x (.y+y'z) + n'z
= (x+y) (y+z) + 1/z [x+yz=(x+y) (x+z)
= \chi \left(\gamma + 7\right)^2 + \chi / 2 \left( \left[ \chi + \chi \right]' = 1 \right)
   NY + NZ + M/Z
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$$= xy + z (x + y')$$

$$= xy$$



(dis)+dik + dAns to the garno 4 (a) F(A,B,C) = A'B+A'B'C+A'C (A+B')=A'B (A'B+A'B'C+A'C) (A+B+C')' outpu Here, y = ((A'B + A'B'(+A'C'))) A'B+A'B'C+A'C'

d+a)+ (d +), (daya, y

(Caratean Fana)

