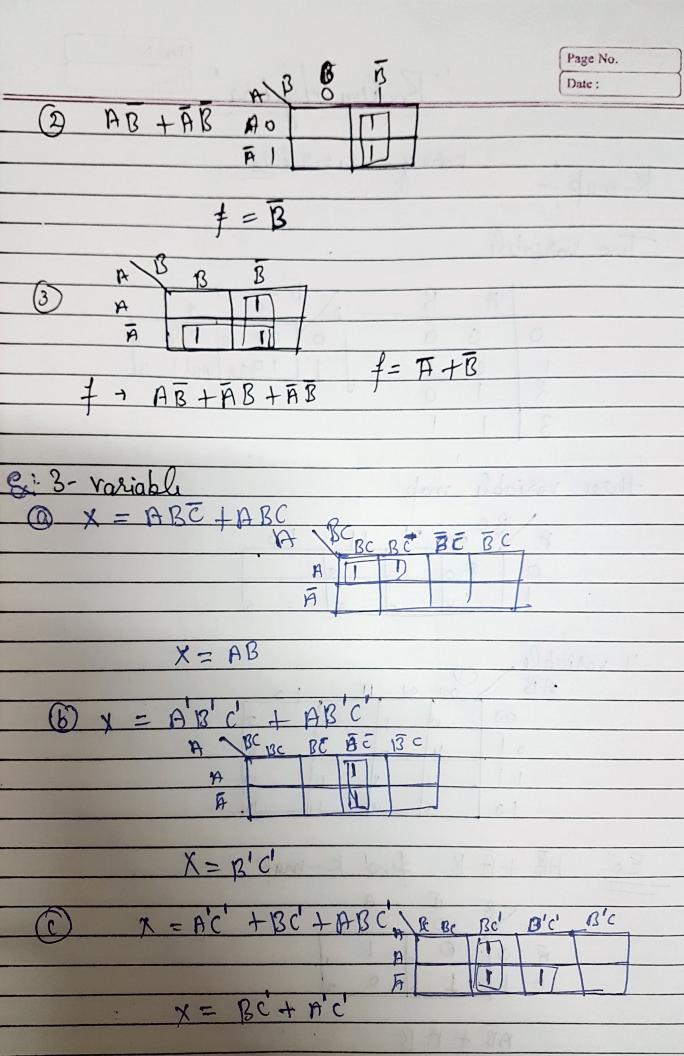
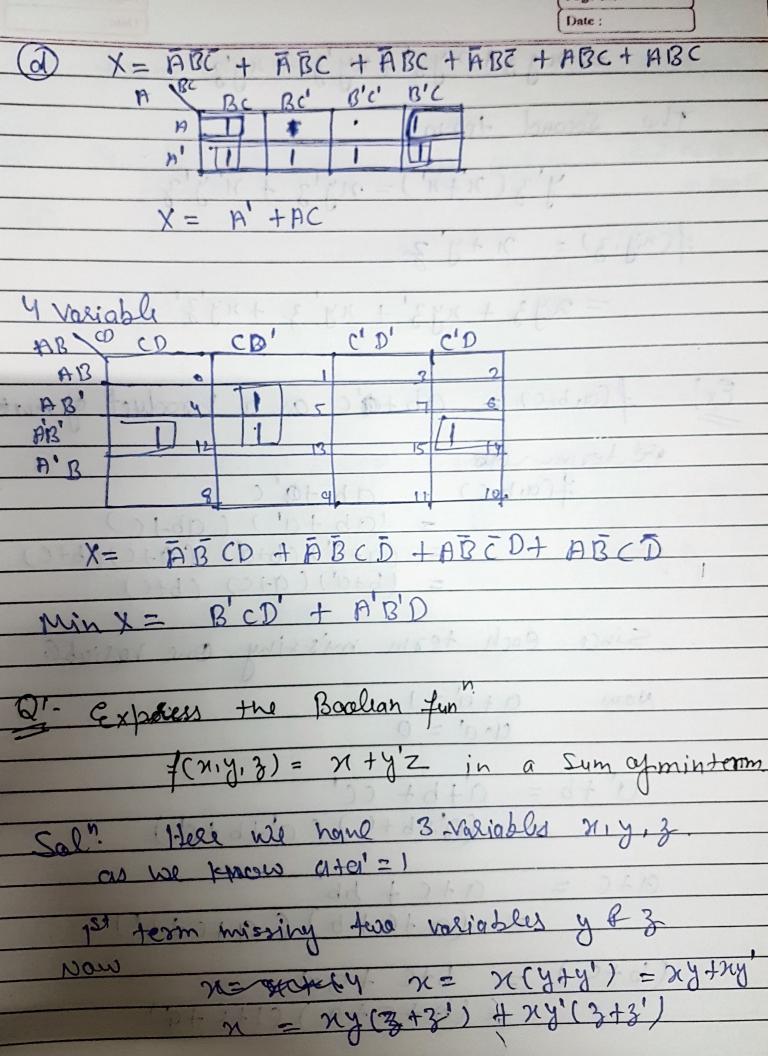
+ Booleon Algebra'-Date : 0 K-map Two variable A 0 0 1 DAB 9 0 three variable map 4 variable. 00 0 find k-map B 0 13

Page No.





Page No. Date: = ny3+ ny3'+ny'3+ny'3' The Second term! y'z(x+x')=ny'z+ny'z. =(ny,3)= n+y 3 = 273 + xy3 + xy 3 + xy3 Ex! - f(a,b,c) = ab+a'c as a product of mexton gret term onto +(a,b,c) = ab +0 ( = (ab +a') (ab+c) = (a+a) (b+a) (a+e) (b+c) = (b+a') (a+c) (b+e) Since each term missing one rariable 0.0, = 0 a +b = a + b + cc = (0'+b+c) (0'+b+c') 01+C = 0+C+bb = (a+c+b) (a+c+b) 10+c) = 6+c + 901 = (p+c+a) (p+c+a)

Page No. +(a,b,() = (a+b+c) (a+b+c) (a+c+b) (a+b+c) Simplify the Boolean Exp and given that C+CB=c (9) CC13+C) CA+B+C) CCB+CC) (A+B+C) C+CZC = ( (B+C) (A+B+C) CC = C = ( (A+B+C) 1'(C=C = CA + CB + CC 11 CB+C = C => CA +CB +C =) CA+C CA+CZC **(b)** A+B(A+B)+A(A'+B) · AA =0 A+BA+13B+ AA'+AB A+121 A + AB+B + O + AB BB= B A + B (A+1) A + 13 + 5 + 5 A +B Q! Simplify the Boolean Exp! F(A,B,(D) = Z(0,1,2,3,9,5,6,7,8,9,11) E (0, 1, 2, 3, 4, 5, 6, 7,8 fun" is of 4- Variable AB' A'B' 13 15 A'B ACABICIDI= AB+ AB' + A'BC+A'BC'D'

