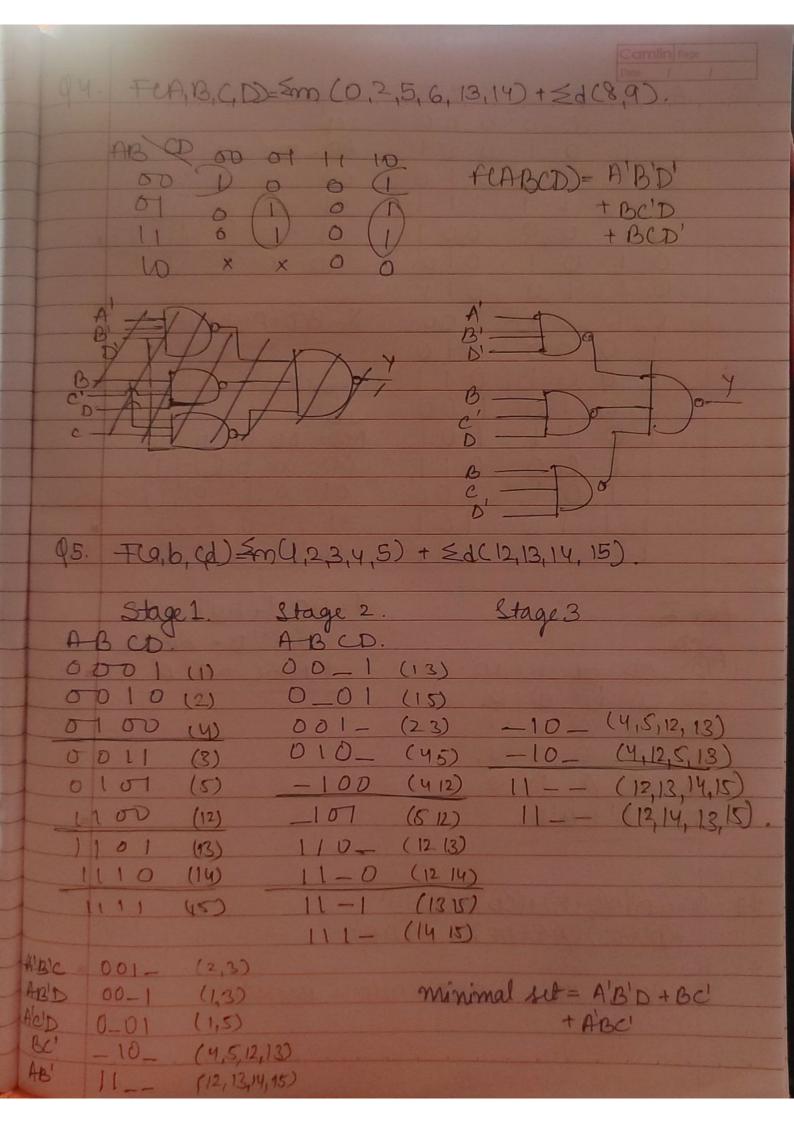
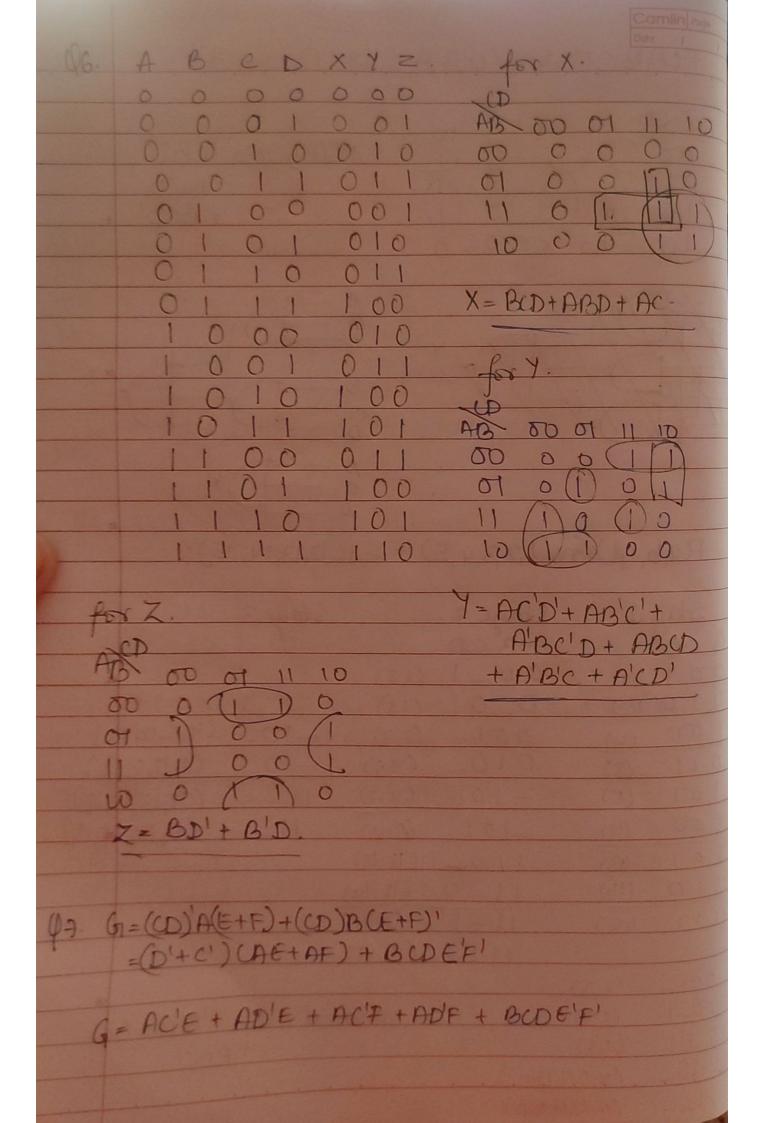
Marin Uniyal Assignment 3. 19 EE 10039 Q1 FCABCAD = 5m(0,2,8,10,11,13,16,18,24,26,29) + 5 X 5, 6, 9, 14, 21, 22, 30). CDE 000 001 011 010 110 101 100 12 × 6 00 01 110 × 14 1 13 15 10 126 X 30 1 29 14 27 31 28 10 1,8 × 22 19 20 23. AND FLAB, CID, E) = C'D'E'+DE'+CD'E+C'A'B. Q2. GC2 X1X2 00 10 00 01 11 0 10 +(4, C2, X2, X2) = C1 C, X1, X2 + C1 X1, X2 + C1 X2X1 + C1 C2 X2 + C1 X1, X2 93. Fab. c) = 2 m (1,3,67). able Rime implicants. 00 -AB+BC+ D'C 10 AB essential

prime

>BC is reductionst





H=[A(CD)+(A+C)(E+F)].B H= (A'CD + AE + AF + CE+CF)B H = A'BCD + ABE + ABF + BCE + BCF 08. (a) F(WXYZ)=? Xz'+ w'y'z+wxy. MX 45 00 01 11 10 (b) +(x, y, x) = xy + x'y'z' + x'yz) F(X,Y,Z)=X'Z'+XY. for A. WX 12 00 of 11 10. Qa. digit WXYZ ABCD 0000 0 0 00 0001 0010 0101 A = WX'Y'Z'+WXYZ. 0100 0100 0 00 01 11 10 1001 1000 50 0 1000 1111 1001 B=WXYZ+WXZ+WX'Y

