Assignment#y

Name

: Muzaniil

Course ? DI-D

Rollno: P20-0108

11 / All 1 / All 6

Ac(14) / AN(C+C) + AN

Marine Marine Aller and Marine

5211 4 1118 4 1186

Muzanol Juestion# 1 120-0108 Convert Ac + (A+BC) (Ac+B) to Standard Sop & Pos expression = Ac + (A+Bc)(AC+B) . D=SAB,CZC Simplify the expression = Ac+ (A.Ac+A.B)+AcBc+B.BC : B.B=0, A.Ac=AC => Ac+ Ac+ AB+ ABC + O => AC + AB + ABC -> Now convex this expression into Standard Sop form => Ac(B+B) + AB(G+E) + ABC => ACB + ABC + ABC + ABE + ABC =) [AGB + ABC + ABC] Stemdard Sopform Now Converting to Standard Pos form F(5,6,7) = ACB + ABC + ABG EF(O,1)2,3,4) S ABC+ ABC+ ABC+ ABC (Take whole Compliment) = ABC + ABC + ABC + ABC => (A+B+C) (A+B+C) (A+B+C) (A+B+C) (A+B+C) Standard Postorm

Scanned with CamScanner

Pao-0108 Quest ion # 2 Construct Sop & Pos from truth table ABC+ ABC+ ABC (A+B+c) (A+B+c) (A+B+c) (A+B+c) (A+B+c) Sop- K-may) Out s Āc + Bc/ Dow Pos-kmap

out = (B+c)(A+c)