31 SATURDAY . AUGUST COMBINATIONAL CIRCUITS" Full Adder using Half older: only half adders, we can design full Adders using two half Adders. SI Cin = ADBOG A A B Half Addy (ABB) Cin Half Cin S= A & B Carry = A.B. Half Adder T 3 ATAB = A+B Cout = (ABB) Cin + AB

O1
SUNDAY · SEPTEMBER

B + BCin + BACin.

B = AB + BCin + BACin.

AB + BCin + Cin A.

Self study

N Bit parallel Adder :-, 4 cascade of full Adder y device for adding multi bit nos. 4- bit Paxallel Adder :-4 de full Adders. S 2 = AI BBIACO = A2 (B)2 (C) AI Ac MSB Az Az W Adden: - Sum = A DB & C AB + BC + CA