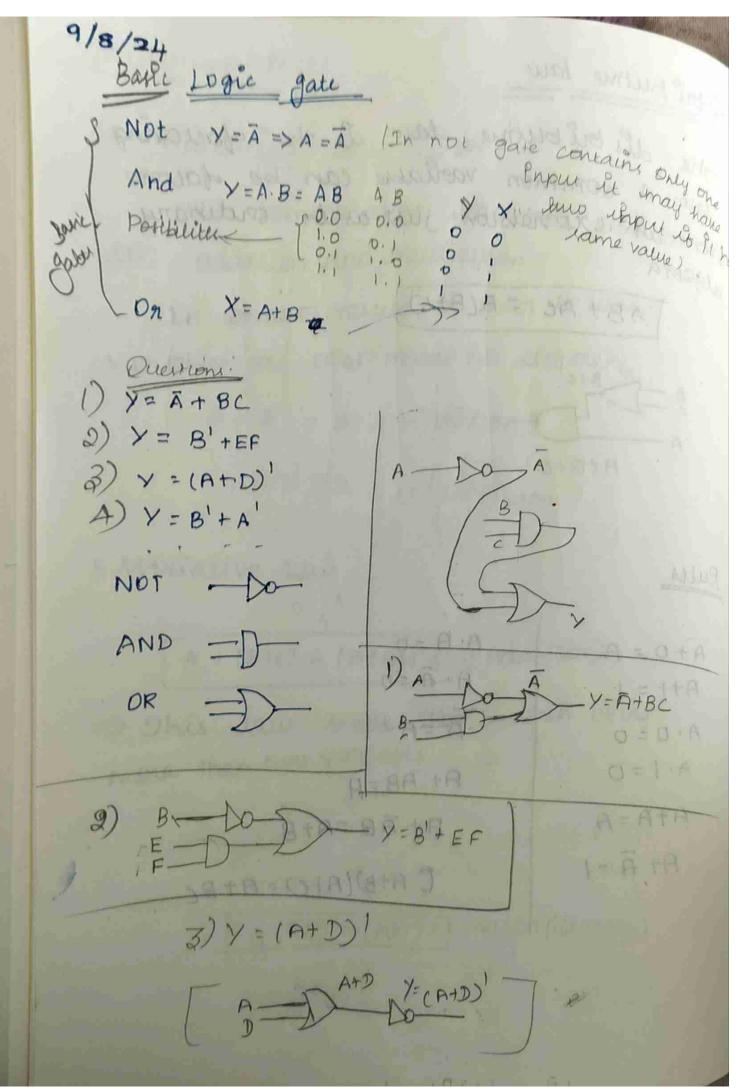
Pules

A+0=A

A+1=1

A·A=0



$$y = B' + A'$$

$$B = DO D B' + A'$$

$$A = DO D B' + A'$$

$$A + AB = A (1+B)$$

$$= A \cdot 1$$

$$= A \cdot 1$$

$$= A$$

A	В	AB	AHAB
0	0	0	0
0)	0	0
1	0	0	
1	1	1	

A = A+AB
hence Paloved

A + A'B = A+B

A+ AB = (A+AB) + AB (Rule:10: A=[A+AB]

= (AA + AB) + AB (RULE 7: [A = AA))

= AA+ AB+ AA+ AB RUL 8: MAA = 12

AA=0 cadd to will not affect a few and a f

= 1. (A+B) AT AB = ATB

hence Broned

growing by return table								
A	В	Ā	ĀB	A+ AB	A+B			
0 0	0 1	,	0	0	0	1		
- 1	1	0	0	1				

0

Canal

$$A + AB = A + B$$
hence p

Eg: To baone:

(A+B) (A+C) = A+BC

80 Un:

(A+B) (A+C) = AA + AC + AB + BC DERtiburn Law = A+ Ac + AB+BL RULT AA:A

= A (1+0) + AB+BL Rule 2; 1+ C=1 = A · I + AB+BC

= A + AB+BC

equal

J

1.

hence (A+B) (A+C) = A+BC

hence Proved