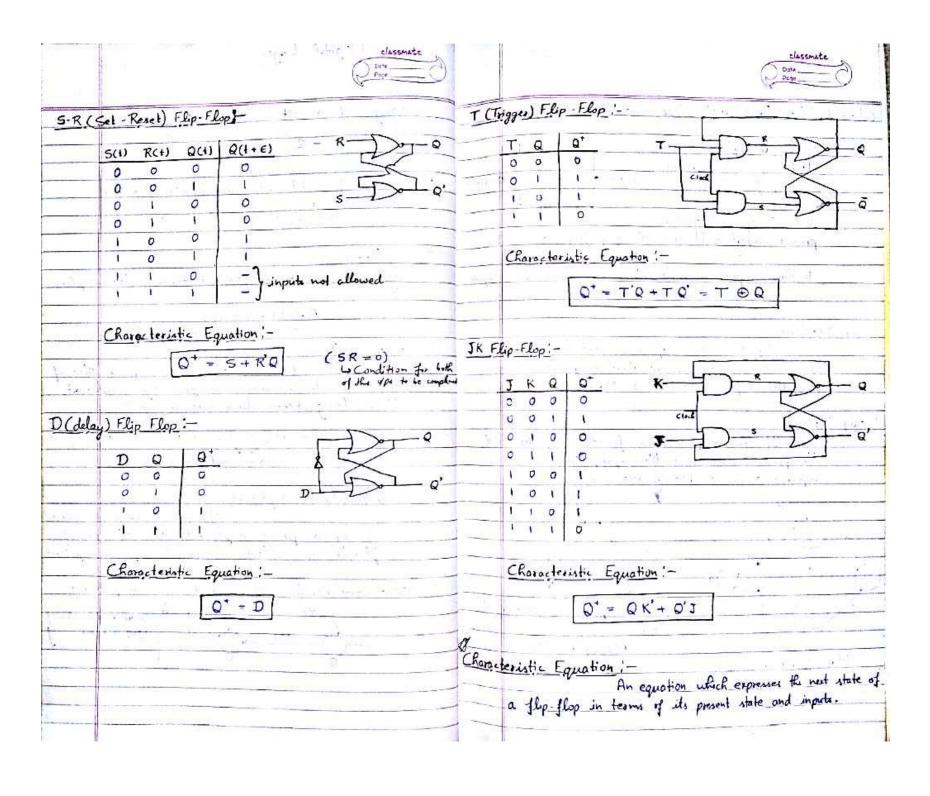
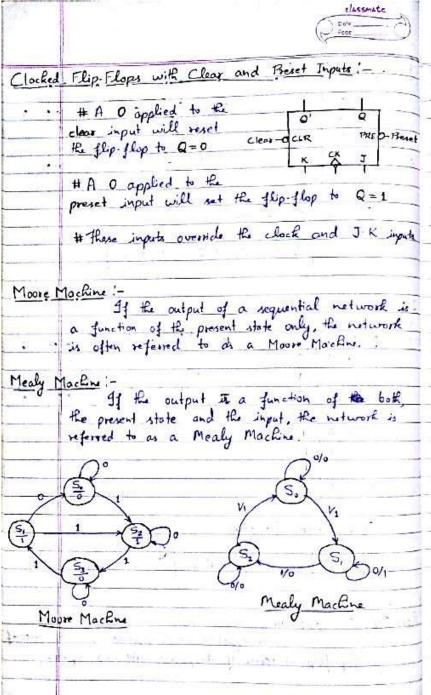
	Account		Digital Logic classmate
	CIASEMATE		Digital Logic
	(Fere		O Dole
		(1)	Range of n bit 2's complement number:
			(not)
			-2 to (2-1)
		(2)	Range of n bit is complement number:
	Maria de la companya della companya		-(2 -1) to (2 -1)
			-(2 -1) to (2 -1)
		(3)	Implicant :-
	28 Tax 1 S S x 87 H(S)		A mormal product term that implies
			Y - AB + ABC + BC Implicants
			1 1 2
200			P. Implicants
		(4)	
	www.ankurgupta.net		An implicant of Y such that if any variable is removed from the implicant, the resulting term does not imply Y.
		To Inje	any variable is removed from the implicant,
la l			the resulting term does not imply Y.
W			
		3	Y = AB + BC + ABC - Hot a prime implicant.
Vie Co	and the few states of the second of		1 Prime Implicant
			1 ma Inquitant
		(5)	E 1. 0 D T 1 1 1
			Essential Prime Implicant
		-	Essential Prime Implicant: - H a number of sovered
			only by a prime implicant, then the prime implicant inflicant is called an essential prime implicant.
			implicant is called an essential prime implicant
			A FILE OF A
		(6)	Finite State Machine to calculate 2's complement!
		-	
		750	1/1 Vo to Imput in from least of sugarficant bit.
			1/1 VI Sugarficant 614.
		1	Ио от
1			
-		-	
1			





Partive Logic: +V represent a logic 1 and 0 volta
represent a logic 0.

Negative Logic '+V represent a logic 0 and 0 wells
represent a logic 1.

Finding the minimum number of Gates required to solve an expression:

To find a minimum solution, one must find both the network with the AND-gate output and the one with the OR-gate output.

Multiplexers: A multiplexer has a group of data inputs and a group of control inputs.

The control inputs are used to select one of the data inputs and connect it to the output terminal.

 $Z = A'B'I_0 + A'BI_1$ $+ AB'I_2 + ABI_3$ $Doto I_1$ $Input I_2$ I_3 A BControl Inputs.

A 2ⁿ to 1 multiplexer can be used to realize any (n+1) variable function with no-added gates.

In of the variables are used as control inputs and the remaining variable is used as required on the data inputs.

