Name: Md. Rifat Ahmed

ID: 1931725042

Course: CSE231 L

Section: 8

Mid-Term

## Answer to the Question No-1

- a) True
- 6) True

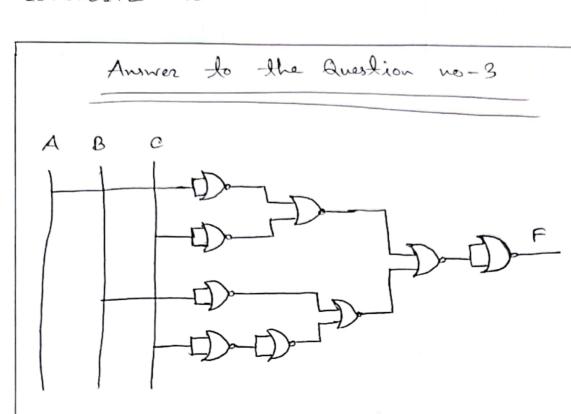
## Answer to the Question No-2

 $^{\circ}$ ) $_{\circ}$ A + (B+C) = (A+B) + C It's the Associative law.

(A')' = A

This the Involution law.

- 6) 74HCOAN written on top of a 14 pin. Il means it's a 7404 NOT IC.
- c) Full form of TTL is Transistor Transistor Logic
- d) In a bruth table for sin input AND gate there would be 2°=64 input combinations.

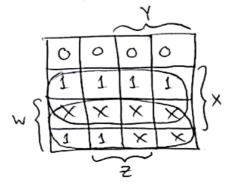


Auswer	to	the	Question	no - 4
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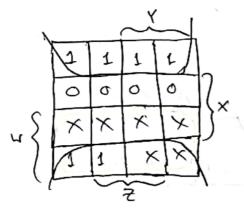
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, -	3	0	0	1	1	0	1	1	1
	4	0	1	0	0	1	0	0	0
	5	0	1	0	1	1	0	0	1
	6	۵	1	1	0	1	٥	1	٥
	7	0	1	1	1	1	٥	1	1
	8	1	0	0	0	1	1	0	0
	9	1	0	6	1	1	1	0	1
			1	•	1		•		•,

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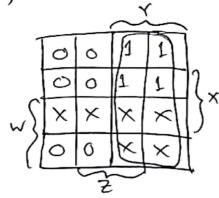




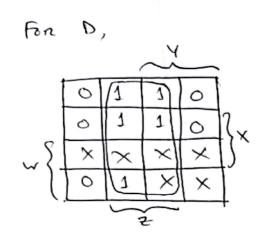
Fon B,



for C,



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-'. D = Z

e) cincuit of the equations bound in B:

