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Mid Sem Practical Exam

Semif.

Q2.

Ans - NOR Gate

NOR gate is actually a series of OR gate with NOT gate.

If we connect the output of an OR gate to the input of an OR gate to the input of a NOT gate, this combination will work as NOT-OR or NOR gate.

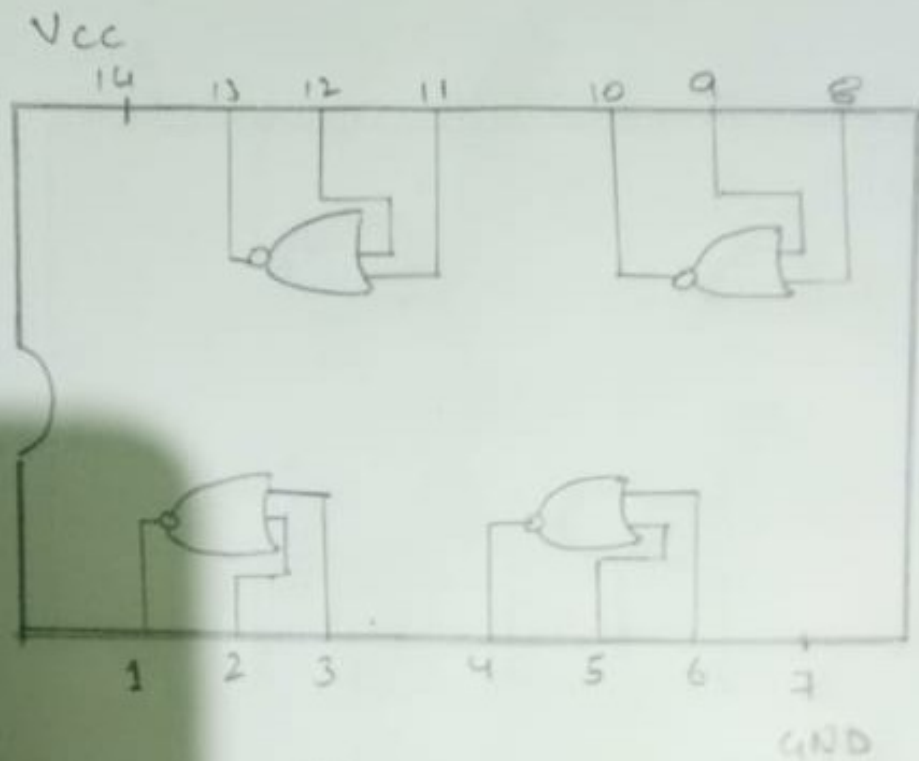
Its output is 0 when any of or all inputs are 1, otherwise output is 1.

Truth Table

$$Y = \overline{A+B}$$

A	B	Y
0	0	1
0	1	0
1	0	0
1	1	0

Circuit Diagram of NOR Gate



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