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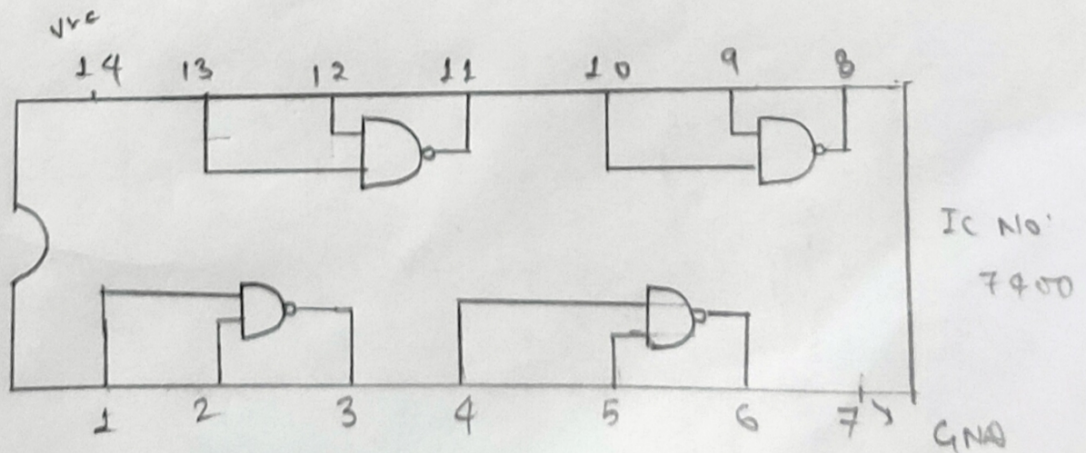
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Section :- B

Q.1 Discuss the working of NAND gate with the help of circuit diagram with truth table.

Ans:- NAND Gate :- The NAND gate is a combination of an AND gate and NOT gate. They are connected in cascade form. It is also called Negated And gate. The NAND gate provides the false or low output only when their outputs is high or true. The NAND gate is essential because different types of a boolean function are implemented by using it.

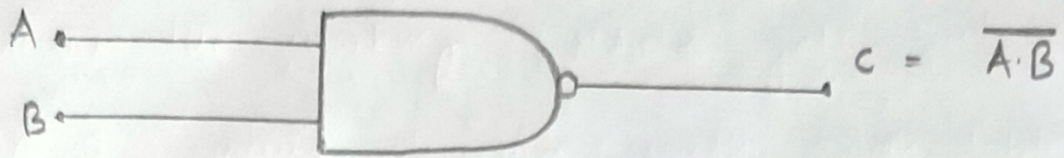
The NAND gate has the property of functional completeness. It is the UNIVERSAL Gate.



Circuit Diagram

Mohan

* Logic Diagram :-



Truth table :-

Input		Output
A	B	$C = \overline{A \cdot B}$
0	0	1
1	0	1
0	1	1
1	1	0

Result :- The result of the experiment has been verified successfully.

Moham