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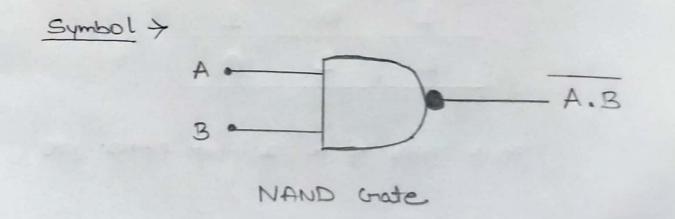
Exam Type > mid sem

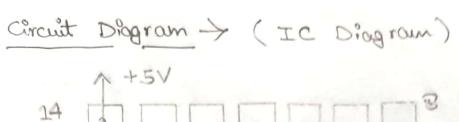
Sem \Rightarrow 1^{S+}
Sec \Rightarrow A
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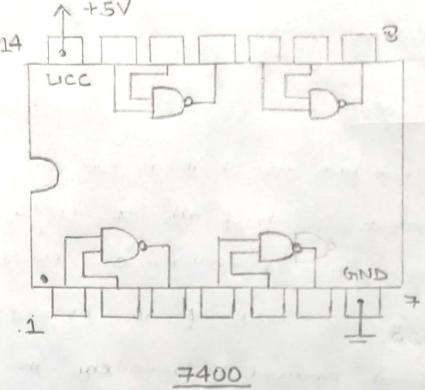
Ang 1> NAND Gote

A NAND gate ("not AND gate") in a logic gate that produces a low output (0) only if all its inputs one time, and high output (1) otherwise. Hence the NAND gate in the invene of an AND gate, and its circuit in produced by connecting an AND gate to a NOT gate.

The NAND gate performs the logical NAND operation. NAND gates are known as "Universal gate", which wears they are a type of logic gate which can implement any Boolean function without the head to use any other gate type.







Touth Table >

Input		output
A	B	X= A.B
0	0	1
0	1	1
1	0	1
1	1	0

Truth Table of a 2 input NAND gate.