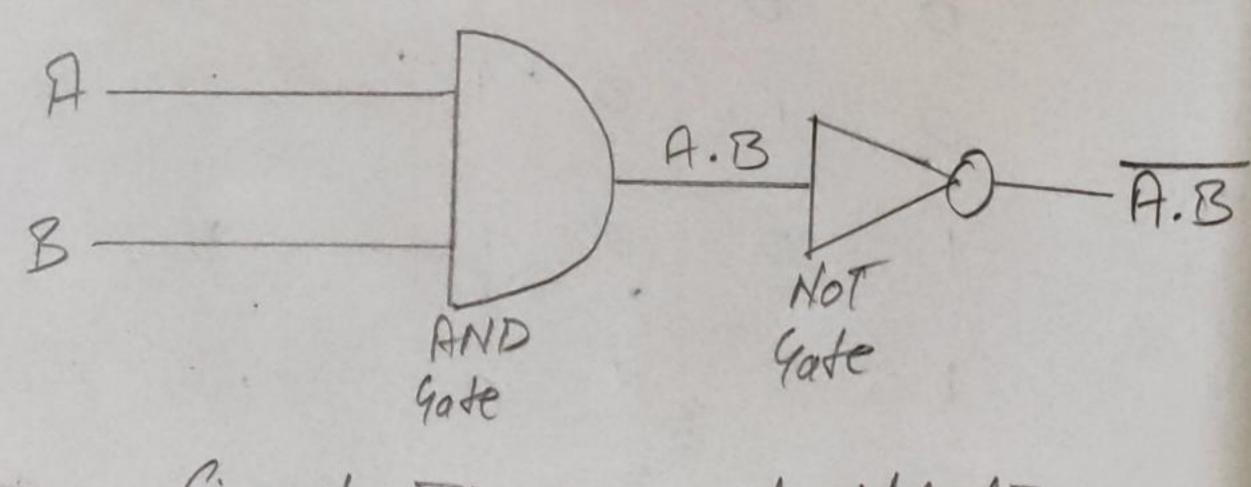
Name-Rahd Bhandarii Roll no - 2101157 Section - D

Ans- A NAND gate ("not AND gate") is a logic gate that produces a low output D only if all its inputs are towe, I high output I otherwise. Hence the NAND gate is inverse of an AND gate, I its circuit produces by connecting an AND gate to a NOT gate.

Just like an AND gate, a NAND gate may have any number of impot probes but only one output strobe.

The NAND gate perform the logical NAND operation NAND gates are known as vijvered gates, which means it is a logic gate which can implement any Boolean function without the need to use any other gate type.

The basic logical Construction of the NANO gate is -



Cincuit Diaggrann af NAMO.

There are two input A & & after gassing AND logic gate is produced an output A.B then it is Rass through NOT gate then it produced an output A.B.

OR we can make NAND gate by second method

that is - A DO A.B NANO 40te

TRUTH TABLE

luget		autput
A	B	X= A-B
0	0	11
0	(1
1	0	1
1	1	0

OR

lupot		A.B A.B	
P'	B	A.B	A.B
0	0	0	1
0	1	0	1
1	0	0	1
1	1	1	0