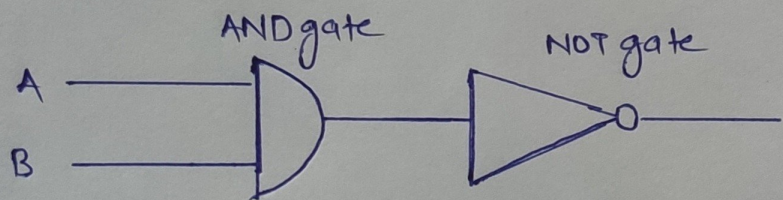
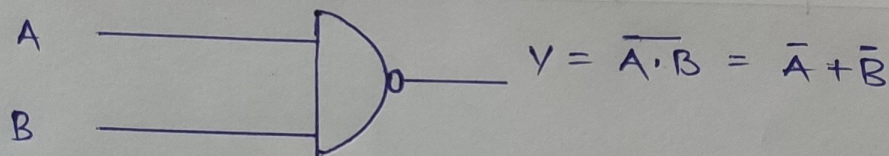


Ans:- Working of NAND GATE :- A NAND gate is a logic gate which produces an output which is false only if all its inputs are true; thus its output is complement to that of an AND gate.

A low (0) output results only if all the inputs to the gate are high (1). If any input is low (0), a high (1) output results.

CIRCUIT DIAGRAM :-



NOT gate works as an inverter

by using AND gate and NOT gate we can implement NAND gate.

TRUTH TABLE OF NAND GATE :-

NAME :- AKSHAY PANDEY

MCA ID

UNIVERSITY - 2101018
ROLL NO:

TRUTH TABLE OF NAND GATE

A	B	\bar{A}	\bar{B}	γ
0	0	1	1	1
0	1	1	0	1
1	0	0	1	1
1	1	0	0	0

