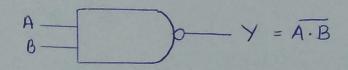
NAND Grate: The logic NAND gate is a combination of an AND gate and NOT gate. It is also called as "UNIVERS-AL GRATE" because it is one of the most used logic gate types and all gates can be implemented by using it.

The logic symbol for the gate is i-



Boolean Expression:

Touth Table:-

A	B	Y = A·B
0	0	1
0	1	1
1	0	1
1	1	0

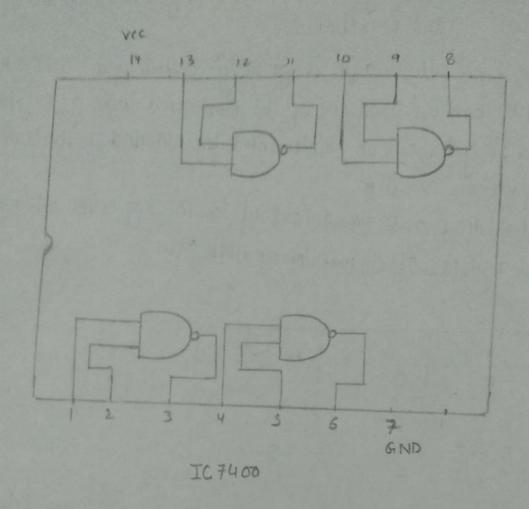
Working - Output of a NAND gate should be low only it both the gate inputs are high. In any other case the

Tignature of Student: - Jackson

Name-Rachna Maithani Gludent ID: 21562014 Page No. -2 output be high. So it any one or both inputs are low the output of NAND gate will be high.

Signature of Student :- Zarry

IC Diagram of NAND Grater



logic Diagrami-

