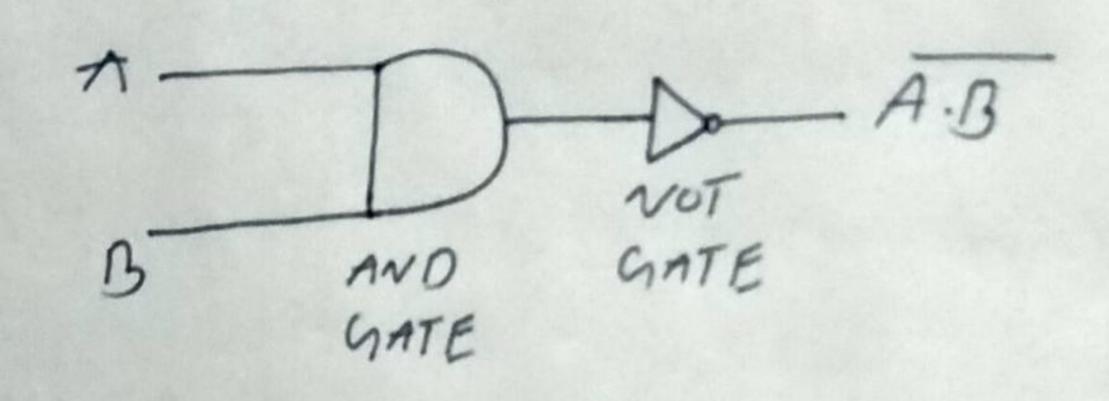
Name: Nikhil Singh Class: MCAIB Father's Namo: Mr. Mahendra Singh University Roll No.: 2101131 Computor organisation Practica! mid Torm Examination

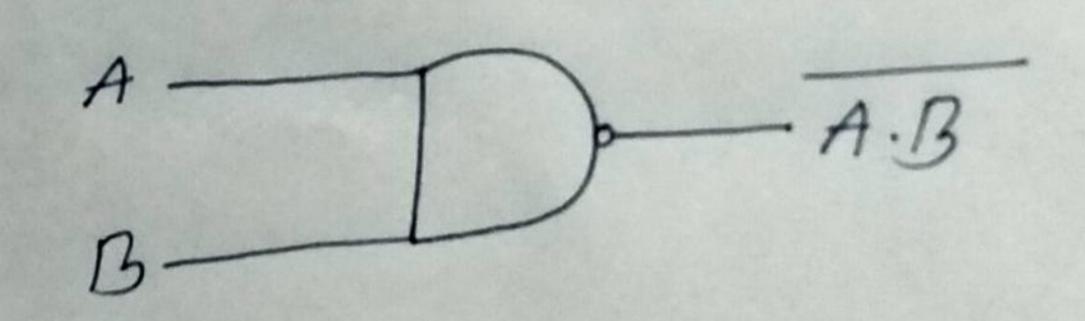
AI

A NAND gate ("not AND gate) is a logic gate that Produces a low output (0) only if all its imputs are true, and high output (1) otherwise. Hence the NAND gate is the invesse of an AND gate, and its circuit is produced by connecting an AND gate to a NOT gate. Just like an AND gate, a NAND gate may have any number of input propos but only one output probe. The NAND gate performs the logical NAND operation. NAND gates are known as universal gate (along with NOR gates), which means they ase a type of logic gate which can implement any Boolean function without the need to use any other gate type

The busic logical construction of the NAND gate is Shown below ( you can see it is an AND gate Followed by NOT gates:



The Symbol of a NAND gate is similar to the AND gate, but a bubble is Isawn at the output point of the AND gate.



Gymbol Diagsam OF NAND GATE

