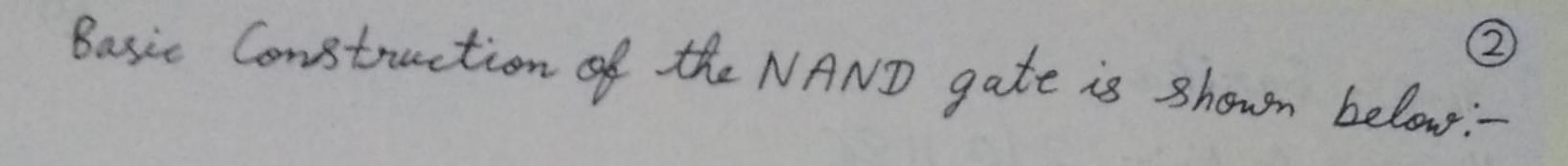
Name: - Sarika
University Roll No: - 210 1186
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Subject: - Computer Organization Lab (mid term)
Subject Code: - PMC-102
Section: - B

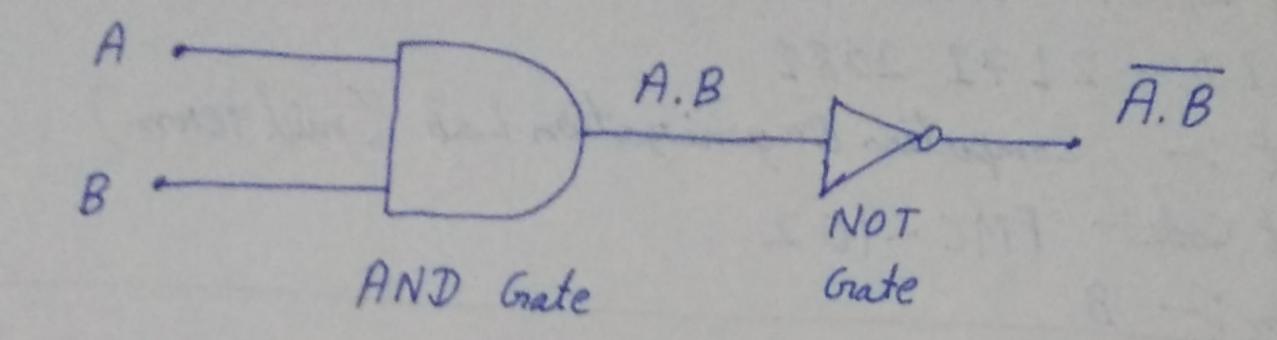
Ans 17 A"NAND" gate ("not AND gate") is a logic gate that broduces a low output (0) only if all its inputs are true, and high output (1) otherwise.

Hence the NAND gate is the inverse of an "AND" Gate, and its circuit is produced by connecting an "AND" gate to a "NOT" Gate.

Tust like "AND" Gate, "NAND" gate may have any number of inputs but only one output.

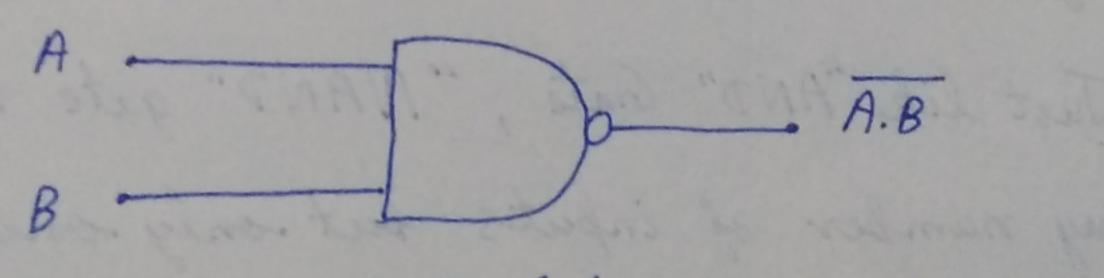
The NAND gate performs the logical "NAND" operation. NAND gates are known as "Universal Grates", which means they are a type of logic gates which can implement any "Boolean function" without the need to use any other gate type





Now, the symbol of a NAND gate is similar to the AND gate, but a bubble is drawn at the output point Of the AND Grate.

The Symbol of the NAND Grate is shown below:



NAND Gate

Touth Table

Annual contract of the Party of	A	B	Output A.B
	0	0	1
-	0	1	1
Management of the last	1	0	1
Sales or the land of the land of the land	1	1	0

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