## Mid Team Lab Exam

Name -> Takash Chauhan University Roll No >> 2101265

Section

Subject

J D

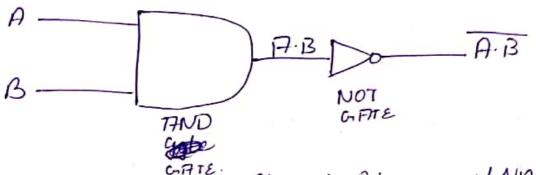
→ Computer Organisation and Asubitecture

THOO peroducer a low output o only it all its inputs are tous and high output I othorwise. Hence the NAND gate is investe of an AND gate and its circuit produced by connecting an AND gate and its circuit peroduced by connecting an FIND gate to a NOT gate.

Just like an FIND gate, a NFIDD gate may have any number of input probes but only one output porobe.

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

The basic logical Construction of the NAND gate



Circuit Diagram of NAND

Theore are two input FIRB after passing AND Spaic gate is paroduced an output FIRB then it is pars thorough NOT gate then it produced an output FIRB

On we can make NAND gotte by second method that ist

A DO-ABB

Touth Table.

		1
Inputs		- Owtput
7-7	B	17.B
D	D	1
0	1	1
1	D	1
1	I	0
	1	