Name-Salvi Gusain bright suth of COURSE- MCA I"A" Roll no - 63(21712095) - 50/04 hydro simila o brio computer organization proacticle GPBC-102, 103) gate - the Nard gate is a special type of bgic gate in the logic circuit . The Mand gate is universal gate means all basic gates such as AND, OR and NOT gote can be constructed using NAMD godie . The Nand gode is combination of NOT-FIND gode p.A.B 3 Mand gate 1011 and prompted to require him Truth Table -

· In this, Nand gate, there are two input value and a single output value. · There are 2=4 possible combination of outputs. . The logic on Boolean expression for wand got is the complement of bagic multiplication of inputs denoted by a gull stop ora single dot, as Stop QUAN pasu totoustones . The value of y will be true when any one of the inputs is set to 0. # 3-input Nand gate-=> 3 input gate has 3 input. · the wand gate can be cascaded together to foom any number of individual imputs. . There are  $2^3=8$  possible combination of inputs

