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Course - McA 8em-1³⁺

Section-A

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Subject - Computer Organization and Aschitecture Type of Paper - Mid practical Exam

must NAND Gate - It is a special type of logic gate in the digital logic circuit. It is the universal gate. It means all the basic gates such as AND, or and NOT gate our be constructed using NAND gate.

It is the combination of NOT-AND gate.

The output state of NAND gate will be some only when all the inputs are high.

I agical expression is (A.B) = 4

Types of Digital LagicnAND gate: D'thezinpit NAND gate: In this NAND gate, those are only two input values and an output value. There are 2=4. Possible combinations of inputs . Circuit diagram? A B A.B DO Y = A.B output Touth Table - Input 5 the 3-input NAND gate; It has 3 inputs. There are 23 2 possible combination arcuit diagram:

Touth Table? -

** O O O O 1	800110	01010	7 1 1 1 1
	0	1	1
1	1	0	1
1	11	1	10
	A		

conclusion?

when A, B, 8 C = 1 then only output will be zero (0) otherwise it shows I.

It means the output state of NAND gate will be low only when all the inputs one high.

Rutiky

