## Graphic Eva Hill university Dehradur

Name: Himanahu Prakash Cowne: MCA 1st Sem Section: B OUniversity Rollnot 2101081 Student ID: 21561018

Subject + Computer Orginazation and Architecture Exam type: Mid Sem Practical Date = 22 March 22

Ans1

A NAND gate is a logic gate that produce a low Output (0) only if all its input are true, and high output (1) otherwine. Hence the NAND gate high output (1) otherwine. Hence the NAND gate is the inverse of an AND gate, and its is the inverse of an AND gate, and AND gate Circuit in produced by connecting an AND gate, a NAND to a NOT gate. Just like an AND gate, a NAND gate may have any number of input probes but only gate may have any number of input probes but only one output probe.

NAND gate performs the logical NAND operation,
NAND GATES ARE. known as Universal gater
Which means they are type of logic gate
Which can implement any Boolean function
Without need to use any other gate type.

A	- C
$C = \overline{A \cdot B}$	

Truth table				
	Input		output	
	A	B	A C = A·B	
	0	0	1	
	0	1	1	
	1	0	11	
	1	1	0	

Himaniha

