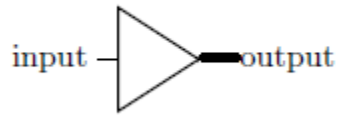


1-What is the truth table of this gate?



A	B	output
0	0	1
0	1	0
1	0	0
1	1	0

a

input	output
0	1
1	0

b

input	output
0	0
1	1

c

A	B	output
0	0	1
0	1	0
1	0	0
1	1	1

d

e?

2-This Truth table belongs to which gates?

A	B	output
0	0	1
0	1	0
1	0	0
1	1	0

a-Nor

b-Nand

c-Xor

d-And

e?

3- This Truth table belongs to which gates?

A	B	output
0	0	0
0	1	0
1	0	0
1	1	0

a-Nor

b-Nand

c-Xor

d-And

e?

4- This Truth table belongs to which gates?

A	B	output
0	0	1
0	1	0
1	0	0
1	1	1

a-Nor

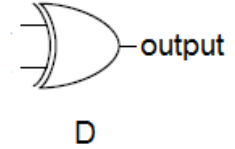
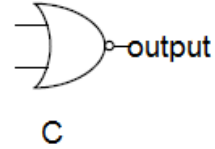
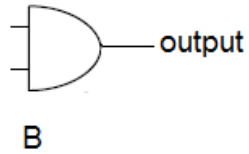
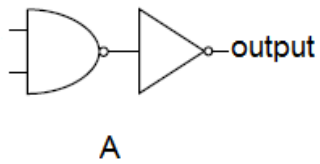
b-Nand

c-Xor

d-And

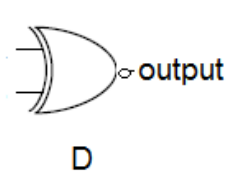
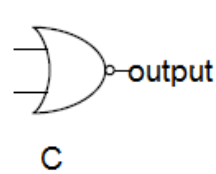
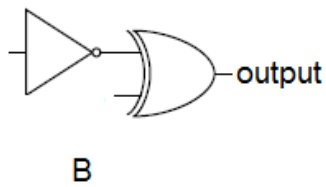
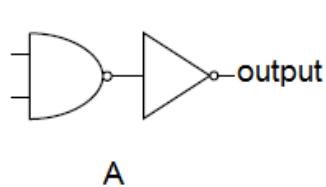
e?

5- Which ones have the same outputs?



1-A and B 2-A and C 3-B and D 4 4-B and C 5?

6-- Which ones have the same outputs?



1-A and B 2-A and C 3-B and D 4 4-B and C 5?

7-Which one is wrong?

A	B	output
0	0	1
0	1	1
1	0	1
1	1	0



A	B	output
0	0	0
0	1	0
1	0	0
1	1	1



A	B	output
0	0	0
0	1	1
1	0	1
1	1	1



A	B	output
0	0	0
0	1	1
1	0	1
1	1	0



a-1 b-2 c-3 d-4 5-?

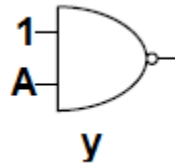
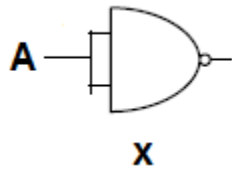
8-How can we design a NOT gate using NAND gate?

9- How can we make an AND gate Using NAND gate?

10- How can we make a NOR gate Using NAND gate?

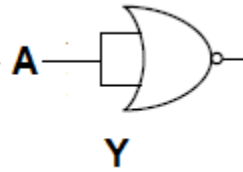
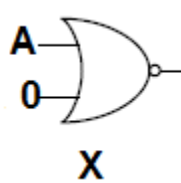
11- Which one is a NOT gate?

1-X 2-Y 3-Both 4-Non 5-?



12- Which one is a NOT gate?

1- X 2-Y 3-Both 4-Non 5-?



13- What is $ab' + a'b$?

a-Nor b-Nand c-Xor d-And e?

- What is $(a'b' + ab)'$?

a-Nor b-Nand c-Xor d-And e?

14- This truth table belongs to "Full Adder"?

A	B	C	S
0	0	0	0
0	1	0	1
1	0	0	1
1	1	1	0

1-Yes 2-No

15- This truth table belongs to "Full Adder"?

a	b	c	c	s
0	0	0	0	0
0	0	1	0	1
0	1	0	0	1
0	1	1	1	0
1	0	0	0	1
1	0	1	1	0
1	1	0	1	0
1	1	1	1	1

16 -Can we add 2 numbers using ripple Adders??

1-Yes 2-No