

Question 1: Which logic gate does the following truth table represent?

Truth Table:

A	B	Q
0	0	1
0	1	0
1	0	0
1	1	1

(a) AND

(b) NAND

(c) XNOR

(d) XOR

Correct Answer: XNOR

Question 2: Which logic gate does the following truth table represent?

Truth Table:

A	B	Q
0	0	0
0	1	0
1	0	0
1	1	1

(a) XOR

(b) XNOR

(c) AND

(d) NAND

Correct Answer: AND

Question 3: Which logic gate does the following truth table represent?

Truth Table:

A	B	Q
0	0	0
0	1	1
1	0	1
1	1	1

(a) AND

(b) OR

(c) NOR

(d) NAND

Correct Answer: OR

Question 4: Which logic gate does the following truth table represent?

Truth Table:

A	B	Q
0	0	0
0	1	0
1	0	0
1	1	1

(a) XOR

(b) AND

(c) XNOR

(d) NAND

Correct Answer: AND



Question 5: Which logic gate does the following truth table represent?

Truth Table:

A	B	Q
0	0	0
0	1	0
1	0	0
1	1	1

(a) NAND

(b) XNOR

(c) AND

(d) OR

Correct Answer: AND