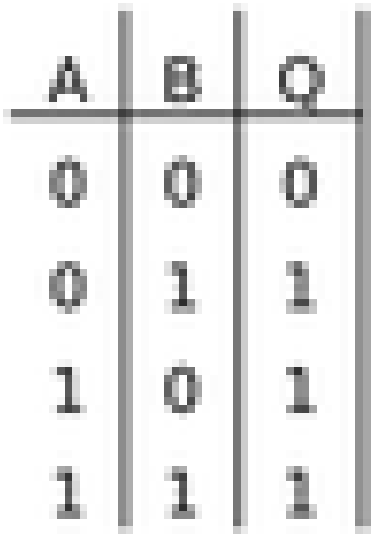
Question 1: Which logic gate does the following truth table represent?

Truth Table:



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

(a) NAND

(b) OR

(c) NOR

(d) AND

Correct Answer: OR

Question 2: 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	0

(a) XNOR

(b) NAND

(c) NOR

(d) OR

Correct Answer: NOR

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

Truth Table:

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

(a) XOR

(b) NAND

(c) XNOR

(d) AND

Correct Answer: NAND

Question 4: 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	0

(a) NOR

(b) XOR

(c) XNOR

(d) AND

Correct Answer: XOR

Question 5: 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	0

(a) NOR

(b) XOR

(c) AND

(d) OR

Correct Answer: NOR

Question 6: Which logic gate does the following truth table represent?

Truth Table:

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

(a) XOR

(b) NAND

(c) OR

(d) NOR

Correct Answer: NAND

Question 7: 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) XNOR

(b) AND

(c) XOR

(d) OR

Correct Answer: XNOR

Question 8: 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	0

(a) AND

(b) OR

(c) XOR

(d) NOR

Correct Answer: XOR

Question 9: 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) NAND

(b) XNOR

(c) OR

(d) XOR

Correct Answer: XNOR

Question 10: 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	0

(a) XOR

(b) XNOR

(c) NOR

(d) OR

Correct Answer: XOR