

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) NOR
- (b) OR
- (c) AND
- (d) XOR

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	1

- (a) NAND
- (b) XOR
- (c) XNOR
- (d) NOR

Correct Answer: XNOR

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) OR
- (b) NAND
- (c) XOR
- (d) AND

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) NAND
- (c) AND
- (d) OR

Correct Answer: AND