

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

A	B	Q
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- (a) XOR

(c) OR
- (b) NOR

(d) B

Correct Answer: B

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

A	B	Q
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- (a) NOR
- (b) OR

(c) NAND

(d) B

Correct Answer: B

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

A	B	Q
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- (a) OR
- (b) NOR
- (c) AND
- (d) B

Correct Answer: B

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

A	B	Q
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- (a) AND
- (b) B

(c) NOR

(d) NAND

Correct Answer: B

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

A	B	Q
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- (a) XNOR
- (c) B

- (b) AND
- (d) XOR

Correct Answer: B

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

A	B	Q
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- (a) B

- (b) AND

(c) NAND

(d) XOR

Correct Answer: B

Question 7: Which logic gate combination does the following truth table represent?

A	B	Q
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- (a) AND

(c) OR
- (b) XNOR

(d) B

Correct Answer: B

Question 8: Which logic gate combination does the following truth table represent?

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

(a) NAND

(c) B

(b) AND

(d) OR

Correct Answer: B



Question 9: Which logic gate combination does the following truth table represent?

A	B	Q
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- (a) OR
- (c) B

- (b) NAND
- (d) XNOR

Correct Answer: B

Question 10: Which logic gate combination does the following truth table represent?

A	B	Q
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- (a) NAND

- (b) XOR

(c) B

(d) OR

Correct Answer: B