Quiz

Total Time: 30 minutes

Question 1: Fill in the missing entries for the expression: not (A and not B and C)

Options:

1: 0 0 0 1

2: 0 0 1 0

3: 1 1 0 1

4: 1 1 1 1

A	B	C	Q
0	0	0	?
0	0	1	1
0	1	0	?
0	1	1	1
1	0	0	?
1	0	1	0
1	1	0	1
1	1	1	?

Question 2: Fill in the missing entries for the expression: not (A or not B and C)

Options:

1: 1 1 0 0

2: 1 0 0 0

3: 0 1 1 1

4: 1 0 1 0

A	B	C	Q
0	0	0	1
0	0	1	0
0	1	0	1
0	1	1	?
1	0	0	0
1	0	1	?
1	1	0	?
1	1	1	?

Question 3: Fill in the missing entries for the expression: A and not B or not C
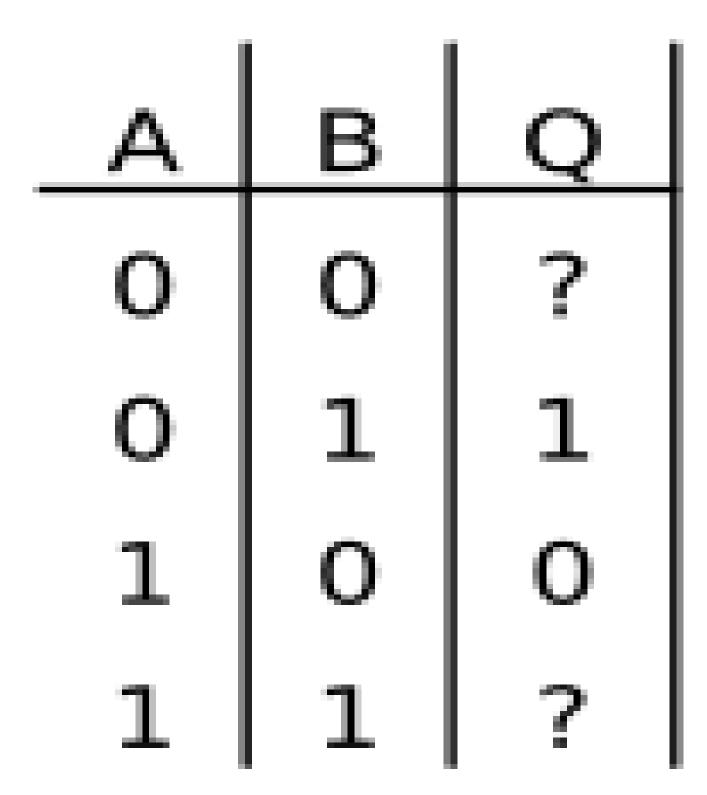
Options:

1: 0 1 0 1

2: 0 1 0 0

3: 0 0 1 0

4: 1 0 1 0

A	B	C	Q
0	0	0	1
0	0	1	?
0	1	0	1
0	1	1	?
1	0	0	?
1	0	1	1
1	1	0	1
1	1	1	?

Question 4: Fill in the missing entries for the expression: not (A and not B)

Options:

1: 0 1

2: 0 0

3: 1 0

4: 1 1

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

Question 5: Fill in the missing entries for the expression: A or not B

Options:

1: 1 1

2: 0 1

3: 1 0

4: 0 0

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

Question 6: Fill in the missing entries for the expression: not (A or B or C)

Options:

1: 0 0 0 0

2: 1 1 1 0

3: 0 0 1 1

4: 1 0 1 1

A	B	C	Q
0	0	0	1
0	0	1	?
0	1	0	?
0	1	1	0
1	0	0	0
1	0	1	?
1	1	0	?
1	1	1	0

Question 7: Fill in the missing entries for the expression: A and B or C

Options:

1: 0 0 1 0

2: 0 1 1 1

3: 0 0 1 1

4: 1 1 1 0

A	B	C	Q
0	0	0	?
0	0	1	1
0	1	0	?
0	1	1	?
1	0	0	0
1	0	1	?
1	1	0	1
1	1	1	1

Question 8: Fill in the missing entries for the expression: not (A or not B or C)

Options:

1: 0 0 0 1

2: 1 1 1 0

3: 1 1 1 1

4: 0 1 0 0

A	B	C	Q
0	0	0	?
0	0	1	0
0	1	0	?
0	1	1	0
1	0	0	?
1	0	1	0
1	1	0	?
1	1	1	0

Question 9: Fill in the missing entries for the expression: A or not B

Options:

1: 0 1

2: 1 1

3: 1 0

4: 0 0

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

Question 10: Fill in the missing entries for the expression: not (A or B)

Options:

1: 1 0

2: 0 1

3: 0 0

4: 1 1

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

Question 11: Fill in the missing entries for the expression: A or not B

Options:

1: 1 1

2: 1 0

3: 0 0

4: 0 1

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

Question 12: Fill in the missing entries for the expression: A and B

Options:

1: 0 0

2: 1 0

3: 0 1

4: 1 1

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

Question 13: Fill in the missing entries for the expression: not (A or B)

Options:

1: 1 0

2: 0 0

3: 0 1

4: 1 1

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

Question 14: Fill in the missing entries for the expression: not (A and B)

Options:

1: 0 0

2: 1 1

3: 0 1

4: 1 0

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

Question 15: Fill in the missing entries for the expression: not (A and not B)

Options:

1: 1 1

2: 0 0

3: 0 1

4: 1 0

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

Question 16: Fill in the missing entries for the expression: A or not B

Options:

1: 1 0

2: 0 1

3: 0 0

4: 1 1

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

Question 17: Fill in the missing entries for the expression: not (A and B)

Options:

1: 0 1

2: 0 0

3: 1 0

4: 1 1

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

Question 18: Fill in the missing entries for the expression: not (A and B or C)

Options:

1: 0 0 0 1

2: 1 1 0 0

3: 0 0 1 0

4: 1 1 1 0

A	B	C	Q
0	0	0	?
0	0	1	0
0	1	0	?
0	1	1	0
1	0	0	1
1	0	1	0
1	1	0	?
1	1	1	?

Question 19: Fill in the missing entries for the expression: A or not B

Options:

1: 0 1

2: 1 0

3: 1 1

4: 0 0

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

Question 20: Fill in the missing entries for the expression: not (A or B)

Options:

1: 1 0

2: 0 1

3: 1 1

4: 0 0

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

Question 21: Fill in the missing entries for the expression: not (A and B and C)

Options:

1: 0 0 0 0

2: 0 1 0 1

3: 1 1 1 0

4: 1 1 0 0

A	B	C	Q
0	0	0	?
0	0	1	1
0	1	0	1
0	1	1	?
1	0	0	1
1	0	1	?
1	1	0	1
1	1	1	?

Question 22: Fill in the missing entries for the expression: not (A and B)

Options:

1: 0 1

2: 1 1

3: 0 0

4: 1 0

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

Question 23: Fill in the missing entries for the expression: not (A and not B and not C)

Options:

1: 1 0 0 1

2: 0 1 1 1

3: 0 1 0 0

4: 1 1 0 1

A	B	C	Q
0	0	0	?
0	0	1	1
0	1	0	?
0	1	1	1
1	0	0	?
1	0	1	?
1	1	0	1
1	1	1	1

Question 24: Fill in the missing entries for the expression: A or B or C

Options:

1: 0 1 0 1

2: 1 0 0 0

3: 1 1 1 1

4: 0 0 0 1

A	B	C	Q
0	0	0	0
0	0	1	?
0	1	0	1
0	1	1	?
1	0	0	1
1	0	1	1
1	1	0	?
1	1	1	?

Question 25: Fill in the missing entries for the expression: not (A and not B or not C)

Options:

1: 1 0 0 1

2: 0 0 1 1

3: 0 1 0 1

4: 1 1 0 1

A	B	C	Q
0	0	0	?
0	0	1	1
0	1	0	0
0	1	1	?
1	0	0	0
1	0	1	0
1	1	0	?
1	1	1	?

Question 26: Fill in the missing entries for the expression: A and not B or not C

Options:

1: 1 1 1 1

2: 1 0 1 1

3: 0 0 1 1

4: 0 1 0 1

A	B	C	Q
0	0	0	?
0	0	1	?
0	1	0	1
0	1	1	0
1	0	0	?
1	0	1	?
1	1	0	1
1	1	1	0

Question 27: Fill in the missing entries for the expression: not (A or B)

Options:

1: 1 1

2: 0 1

3: 0 0

4: 1 0

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

Question 28: Fill in the missing entries for the expression: not (A and B)

Options:

1: 0 1

2: 0 0

3: 1 0

4: 1 1

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

Question 29: Fill in the missing entries for the expression: not (A and B)

Options:

1: 1 0

2: 1 1

3: 0 0

4: 0 1

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

Question 30: Fill in the missing entries for the expression: A or B

Options:

1: 0 0

2: 0 1

3: 1 1

4: 1 0

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

Answers

Answer to Question 1:

Correct Option: 4: 1 1 1 1

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

Answer to Question 2:

Correct Option: 2: 1 0 0 0

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

Answer to Question 3:

Correct Option: 3: 0 0 1 0

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

Answer to Question 4:

Correct Option: 4: 1 1

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

Answer to Question 5:

Correct Option: 1: 1 1

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

Answer to Question 6:

Correct Option: 1: 0 0 0 0

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

Answer to Question 7:

Correct Option: 3: 0 0 1 1

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

Answer to Question 8:

Correct Option: 4: 0 1 0 0

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

Answer to Question 9:

Correct Option: 2: 1 1

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

Answer to Question 10:

Correct Option: 3: 0 0

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

Answer to Question 11:

Correct Option: 4: 0 1

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

Answer to Question 12:

Correct Option: 1: 0 0

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

Answer to Question 13:

Correct Option: 2: 0 0

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

Answer to Question 14:

Correct Option: 2: 1 1

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

Answer to Question 15:

Correct Option: 4: 1 0

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

Answer to Question 16:

Correct Option: 4: 1 1

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

Answer to Question 17:

Correct Option: 3: 1 0

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

Answer to Question 18:

Correct Option: 2: 1 1 0 0

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

Answer to Question 19:

Correct Option: 2: 1 0

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

Answer to Question 20:

Correct Option: 4: 0 0

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

Answer to Question 21:

Correct Option: 3: 1 1 1 0

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

Answer to Question 22:

Correct Option: 4: 1 0

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

Answer to Question 23:

Correct Option: 4: 1 1 0 1

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

Answer to Question 24:

Correct Option: 3: 1 1 1 1

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

Answer to Question 25:

Correct Option: 3: 0 1 0 1

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

Answer to Question 26:

Correct Option: 2: 1 0 1 1

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

Answer to Question 27:

Correct Option: 3: 0 0

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

Answer to Question 28:

Correct Option: 3: 1 0

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

Answer to Question 29:

Correct Option: 1: 1 0

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

Answer to Question 30:

Correct Option: 3: 1 1

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