

Self-Assessment Test

Total Time: 5 minutes

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

Options:

1: 1 1 1 0

2: 1 0 1 1

3: 0 1 0 1

4: 1 0 0 0

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

Question 2: Fill in the missing entries for the expression: A and not B

Options:

1: 0 1

2: 1 0

3: 0 0

4: 1 1

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

Question 3: Fill in the missing entries for the expression: not (A and B)

Options:

1: 1 0

2: 0 0

3: 1 1

4: 0 1

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

Question 4: Fill in the missing entries for the expression: A or B and C

Options:

1: 0 1 1 1

2: 0 1 0 0

3: 0 0 1 1

4: 0 0 1 0

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

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

Options:

1: 0 1 0 1

2: 1 0 0 0

3: 0 0 0 0

4: 1 1 0 0

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

Answers

Question 1:

Correct Option: 3: 0 1 0 1

Question 2:

Correct Option: 3: 0 0

Question 3:

Correct Option: 1: 1 0

Question 4:

Correct Option: 3: 0 0 1 1

Question 5:

Correct Option: 3: 0 0 0 0