

Question 1: What is the truth table for the expression: not (A and B and not C)

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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	0
1	1	1	1

Option 2: Incorrect Answer

A	B	C	Q
0	0	0	1
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	0

Question 2: What is the truth table for the expression: not (A and B or not C)

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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	0
1	1	1	0

Option 2: Incorrect Answer

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	0
1	1	1	0

Question 3: What is the truth table for the expression: not (A or not B)

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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

Option 2: Incorrect Answer

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

Question 4: What is the truth table for the expression: A and B

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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

Option 2: Incorrect Answer

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

Question 5: What is the truth table for the expression: not (A or not B and C)

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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

Option 2: Incorrect Answer

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

Question 6: What is the truth table for the expression: not (A and B)

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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

Option 2: Incorrect Answer

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

Question 7: What is the truth table for the expression: A or not B

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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

Option 2: Incorrect Answer

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

Question 8: What is the truth table for the expression: A or B

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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

Option 2: Incorrect Answer

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

Question 9: What is the truth table for the expression: not (A and B)

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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

Option 2: Incorrect Answer

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

Question 10: What is the truth table for the expression: A and B and not C

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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

Option 2: Incorrect Answer

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

Question 11: What is the truth table for the expression: A or B

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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

Option 2: Incorrect Answer

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

Question 12: What is the truth table for the expression: A or B

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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

Option 2: Incorrect Answer

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

Question 13: What is the truth table for the expression: not (A and B and C)

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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

Option 2: Incorrect Answer

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

Question 14: What is the truth table for the expression: not (A or B)

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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

Option 2: Incorrect Answer

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

Question 15: What is the truth table for the expression: A or B

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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

Option 2: Incorrect Answer

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

Question 16: What is the truth table for the expression: not (A or B and C)

Options:

- 1. Correct Answer
- 2. Incorrect Answer

Option 1: Correct Answer

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

Option 2: Incorrect Answer

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	0
1	1	1	0