

Question 1

Correct

Mark 1.00 out of

1.00



question

The code where all successive numbers differ from their preceding number by single bit is _____?

Select one:

- ☐ a. Excess 3
- ☐ b. BCD
- ☒ c. Gray ✓
- ☐ d. Alphanumeric Code

The correct answer is: Gray

Question 2

Correct

Mark 1.50 out of

1.50



question

Convert $532_6 = (\dots)_5$

Select one:

- ☐ a. 1200
- ☒ b. 1300 ✓
- ☐ c. 1500
- ☐ d. 1400

The correct answer is: 1300

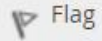


Question 3

Incorrect

Mark 0.00 out of

2.00



question

The BCD addition of $25 + 34$ is _____?

Select one:

- ☒ a. 111011 ✖
- ☐ b. 01011001
- ☐ c. 10011010
- ☐ d. 110111

The correct answer is: 01011001

Question 4

Correct

Mark 1.50 out of

1.50



question

Simplify the Boolean expression $X = AB + A(B+C) + B(B+C)$ and predict the correct output?

Select one:

- ☐ a. $Y = A + BC$
- ☐ b. $Y = AB + C$
- ☐ c. $Y = A + B + C$
- ☒ d. $Y = B + AC$ ✔

The correct answer is: $Y = B + AC$



Question 5

Incorrect

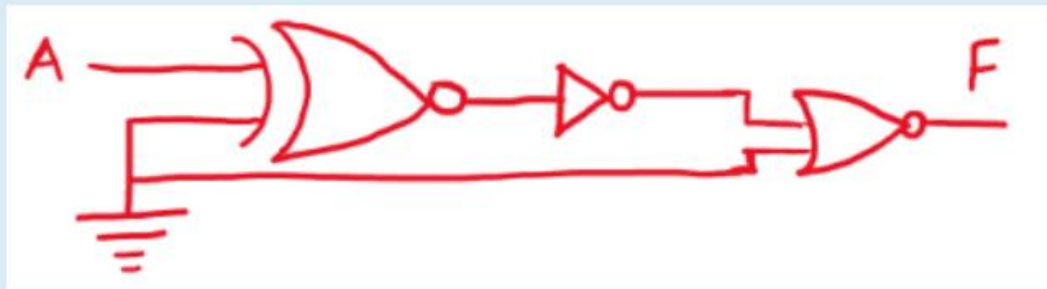
Mark 0.00 out of

1.50



question

Find F ?



Select one:

- ☒ a. 0 ✖
- ☐ b. A'
- ☐ c. A
- ☐ d. 1

The correct answer is: A'

Question 6

Incorrect

Mark 0.00 out of

2.00



question

Reduce the Expression

$$A[B + \overline{C}(\overline{AB} + A\overline{C})]$$

Select one:

- ☐ a. A+B
- ☒ b. A+C ✗
- ☐ c. AC
- ☐ d. AB

The correct answer is: AB

Question 7

Incorrect

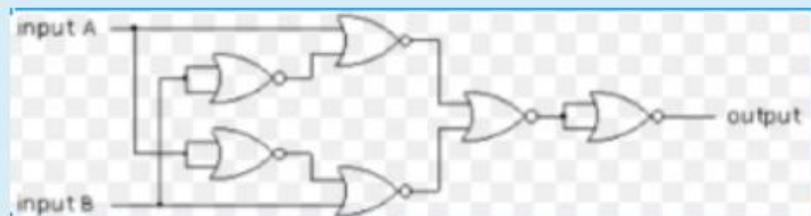
Mark 0.00 out of

1.50



question

The Circuit shown below is GATE.



Select one:

- ☒ a. EX-NOR ❌
- ☐ b. NAND
- ☐ c. EX-OR
- ☐ d. AND

The correct answer is: EX-OR

Question 8

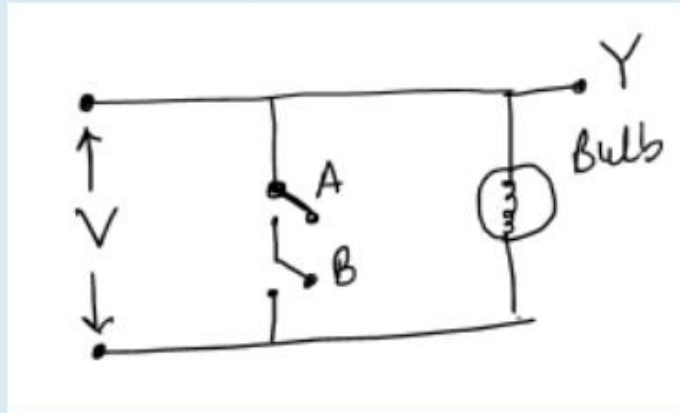
Incorrect

Mark 0.00 out of

1.00

Flag
question

The Circuit is equivalent to GATE.



Select one:

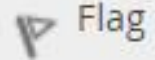
- ☐ a. AND
- ☐ b. NOR
- ☒ c. OR ✖
- ☐ d. NAND

The correct answer is: NAND

Question 9

Correct

Mark 1.00 out of
1.00



Flag

question

Convert (2003.31) into its equivalent hex number?

Select one:

- ☐ a. (7D3. 937)
- ☐ b. (3D7. 739)
- ☐ c. (3D7. 739)
- ☒ d. (7D3. 4F5) ✓

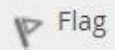
The correct answer is: (7D3. 4F5)

Question 10

Incorrect

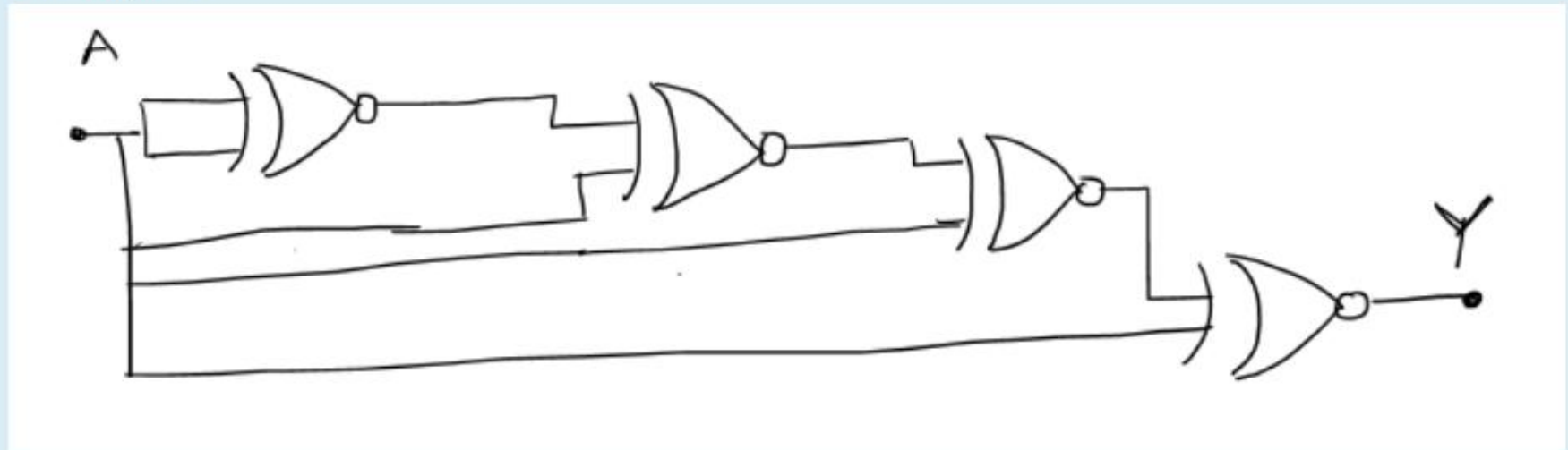
Mark 0.00 out of

2.00



question

Find output Y



Select one:

- ☒ a. A' ✗
- ☐ b. A
- ☐ c. 0
- ☐ d. 1

The correct answer is: A