Started on	Sunday, 17 April 2022, 6:12 PM
State	Finished
Completed on	Sunday, 17 April 2022, 6:29 PM
Time taken	17 mins 29 secs
Grade	**13.50** out of 15.00 (**90**%)

Question 1

Correct

Mark 1.50 out of 1.50

Absorption law in Boolean algebra is given as:

Select one:

- a. x+y=xy
- b. xy+y=yx
- c. x+xy=x ✓
- d. Both b and c

The correct answer is: x+xy=x

Question 2

Correct

Mark 1.00 out of 1.00

Gray Code 1111 is given, convert in to binary

Select one:

- a. 1010 ✓
- b. 1100
- c. 1000
- d. 1001

The correct answer is: 1010

Question 3

Correct

Mark 1.00 out of 1.00

Convert (2003.31) into its equivalent hex number?

Select one:

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

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

Question 4

Correct

Mark 1.00 out of 1.00

obtained by _____ the number continuously by 2.

Select one:

- a. Adding
- b. Subtracting
- c. Multiplying ✓
- d. Dividing

The correct answers are: Dividing, Multiplying, Adding, Subtracting

Question 5

Correct

Mark 1.50 out of 1.50

Convert $532)_6 = (.....)_5$

Select one:

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

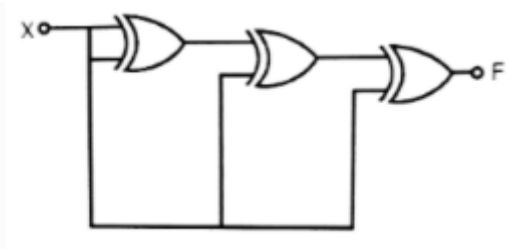
The correct answer is: 1300

Question 6

Correct

Mark 1.50 out of 1.50

Find the output F



Select one:

- a. X'
- b. 0 ✓
- c. 1
- d. X

The correct answer is: 0

Question 7

Correct

Mark 2.00 out of 2.00

Perform the following operation $(756)_8$ - $(637)_8$ + $(725)_{16}$

Select one:

- a. $(3586)_8$
- b. $(3546)_8$
- c. $(3564)_8$ ✓
- d. $(3645)_8$

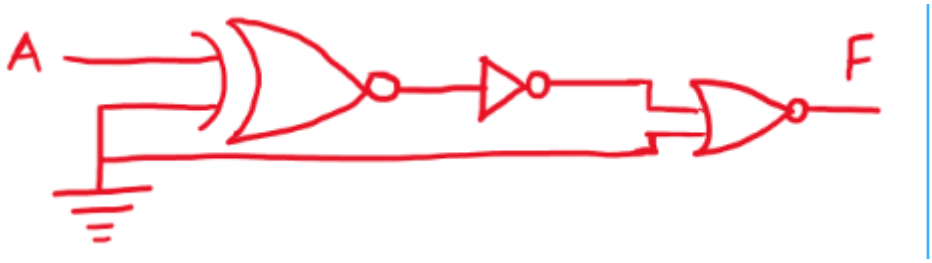
The correct answer is: $(3564)_8$

Question 8

Incorrect

Mark 0.00 out of 1.50

Find F ?



Select one:

- a. 0 ✗
- b. 1
- c. A'
- d. A

The correct answer is: A'

Question 9

Correct

Mark 2.00 out of 2.00

Reduce the Expression

$$\overline{(A+\bar{B}C)}\,(A\bar{B}+ABC)$$

Select one:

- a. 0 ✓
- b. ABC
- c. 1
- d. A+B+C

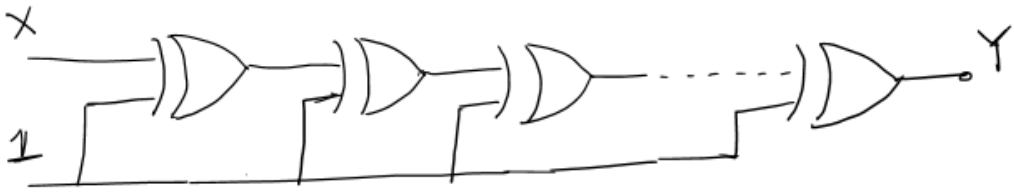
The correct answer is: 0

Question 10

Correct

Mark 2.00 out of 2.00

The given Circuit cascading 20 EX-OR gates, Find the out put Y.



Select one:

- a. 0
- b. X'
- c. X ✓
- d. 1

The correct answer is: X