Computer Organization (1) - Spring Semester - 2021/2022

Started on	Wednesday, 30 March 2022, 4:33 PM
State	Finished
Completed on	Wednesday, 30 March 2022, 4:57 PM
Time taken	23 mins 48 secs

Question 1
Complete
Marked out of 1.00
Flag question

The expression: (A+B+CD) is represented in _____ form

Select one:
- a. product-of-sums
- b. sum-of-products

Question 2
Complete
Marked out of 1.00
Flag question

The expression: (AB+CD) is represented in _____ form

Select one:
- a. sum-of-products
- b. product-of-sums

Question 3
Complete
Marked out of 1.00
Flag question

The decimal number equivalent to $(532.2)_8$

Select one:
- a. $(531.668)_{10}$
- b. $(346.25)_{10}$
- c. $(532.864)_{10}$
- d. $(340.67)_{10}$

Question 4
Complete
Marked out of 1.00
Flag question

In K map, we can group

Select one:
- a. 1's
- b. 1's and 0's
- c. 0's
- d. 1's or 0's

Question 5
Complete
Marked out of 1.00
Flag question

In K map groups can be only either horizontal or vertical.

Select one:
- True
- False

Question 6
Complete
Marked out of 1.00

The gray code representation of $(21)_{10}$ is _____

Quiz navigation

1 2 3 4 5 6 7 8 9 10

Finish review

Flag question

Select one:

- a. 11111
- b. 01010
- c. 10000
- d. 10101

Question 7

Complete

Marked out of 1.00

Flag question

How many AND gates are required to implement F= AB + CD+ W?

Select one:

- a. 5
- b. 3
- c. 4
- d. 2

Question 8

Complete

Marked out of 1.00

Flag question

A 3-input function requires _____truth table entries.

Select one:

- a. 9
- b. 8
- c. 12
- d. 6

Question 9

Complete

Marked out of 1.00

Flag question

The total number of gates required to implement F= AB + CD+ W is

Select one:

- a. 4
- b. 5
- c. 2
- d. 3

Question 10

Complete

Marked out of 1.00

Flag question

The simplest expression which implements the K-map in the figure :

A \ BC	00	01	11	10
0	1	1	1	0
1	1	1	1	0

Select one:

- a. B'C
- b. B'+C
- c. B+C'
- d. *BC'*

Finish review