



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

[Home](#) [My courses](#) [Computer Organization \(1\) - Spring - 2021/2022](#) [General](#) [Computer Organization1 - Quiz \(1\)](#)

| | |
|--------------|-----------------------------------|
| 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:

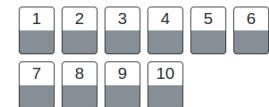
- ☒ True
☐ False

Question 6

Complete
Marked out of 1.00

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

Quiz navigation



[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 | 0 |
| 1 | 1 | 1 | 1 | 0 |

Select one:

- ☐ a. $B'C$
- ☒ b. $B'+C$
- ☐ c. $B+C'$
- ☐ d. BC'

[Finish review](#)

Learn Any Time, Any Where
Hotline: 16541

