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

Question 1

Not yet answered

Marked out of 1.00

⚑ Flag question

How many types of sequential circuits are?

Select one:

- ○ a. 4
- ● b. 2
- ○ c. 3
- ○ d. 5

Quiz navigation

1	2	3	4
5	6	7	8
9	10

Finish attempt ...

Time left **0:06:40**

Question 2

Not yet answered

Marked out of 1.00

⚑ Flag question

The no. of directed arcs emanating from any state in a state diagram is

Select one:

- ○ a. 2n, where n is no. of inputs
- ● b. Independent of no. of inputs
- ○ c. An arbitrary number
- ○ d. 2n, where n is n. of flipflops

Question 3

Not yet answered

Marked out of 1.00

⚑ Flag question

The truth table for an S-R flip-flop has how many VALID entries?

Select one:

- ○ a. 2
- ○ b. 4
- ● c. 3
- ○ d. 1

Question 4

Not yet answered

Marked out of 1.00

⚑ Flag question

When is a flip-flop said to be transparent?

Select one:

- ○ a. when you can see through the IC packaging
- ○ b. when the Q output is opposite the input
- ● c. when the Q output follows the input

Question 5

Not yet answered

Marked out of 1.00

⚑ Flag question

D flip flop is said transparent when

Select one:
- ○ a. output is low
- ○ b. output follows clock
- ◉ c. output follows input
- ○ d. output is high

Question 6

Not yet answered

Marked out of 1.00

⚑ Flag question

The term synchronous refers to events that do not occur at the same time.

Select one:
- ○ True
- ◉ False

Question 7

Not yet answered

Marked out of 1.00

⚑ Flag question

Assume a J-K flip-flop has 1s on the J and K inputs. The next clock pulse will cause the output to _____.

Select one:
- ○ a. latch
- ○ b. set
- ○ c. reset
- ◉ d. toggle

Question 8

Not yet answered

Marked out of 1.00

⚑ Flag question

In state diagram, what does an arrow between the circles indicate?

Select one:
- ◉ a. Next state
- ○ b. State transition
- ○ c. Present state
- ○ d. Don't care condition

Question 9

Not yet answered

Marked out of 1.00

⚑ Flag question

A gated S-R flip-flop goes into the SET condition when S is HIGH, R is LOW, and EN is HIGH.

Select one:
- ◉ True
- ○ False

Question 10

Not yet answered

Marked out of

A decoder converts n inputs to _____ outputs

Select one:

1.00

Select one:

- ○ a. n^2
- ⦿ b. 2^n
- ○ c. n^n
- ○ d. n

Finish attempt ...

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