Week 6 Assignment 6

The due date for submitting this assignment has passed. Due on 2019-10-09, 23:59 IST. As per our records you have not submitted this assignment.

1) Which of the following can be part of the data path?
   a. Register
   b. Multiplexer
   c. Counter
   d. All of these

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   d.

2) Which of the following statements is/are true for data path?
   a. Data path consists of all the paths that a data takes to implement the state transition diagram.
   b. Data path consists of hardware building blocks that are activated by a separate controller.
   c. Data path consists only of registers where the data values are stored.
   d. None of these.
2) (unit? unit=49&lesson=51)

- Lecture 27: DATAPATH AND CONTROLLER DESIGN (PART 3) (unit? unit=49&lesson=52)
- Lecture 28: SYNTHESIZABLE VERILOG (unit? unit=49&lesson=53)
- Lecture 29: SOME RECOMMENDED PRACTICES (unit? unit=49&lesson=54)
- Week 6 Lecture Material (unit? unit=49&lesson=55)
- Quiz: Week 6 Assignment 6 (assessment? name=84)
- Week 6 Feedback Form (unit? unit=49&lesson=111)

Week 7

Week 8

Detail Solution

Live Session

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28/07/2020

Hardware modeling using verilog - - Unit 8 - Week 6

Which of the following is/are false for control path?

- a. It implements a finite state machine to generate control signals for the data path.
- b. It can take inputs from the data path.
- c. It can generate status signals that can be input to the data path.
- d. None of these.

No, the answer is incorrect.
Score: 0
Accepted Answers: b.

3) 1 point

4) 1 point

5) 1 point

6) 1 point
Which of the following is/are false for Verilog function declarations?

- It can return more than one value.
- It can return a single value.
- The arguments can be specified in any order with respect to the calling module.
- None of these.

No, the answer is incorrect.
Score: 0
Accepted Answers:
a. b.

Which of the following Verilog constructs are non-synthesizable?

- a.
- b.
- c.
- d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
a. c.

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Not at all useful  Not very useful  Somewhat useful  Very useful  Extremely useful