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**Started on** Friday, 22 April 2022, 2:00 PM

**State** Finished

**Completed on** Friday, 22 April 2022, 2:05 PM

**Time taken** 4 mins 53 secs

**Marks** 2.00/3.00

**Grade** **6.67** out of 10.00 (**67%**)

Question **1**

Complete

Mark 1.00 out of 1.00

For scoreboard algorithm, choose the correct option.

- ☐ a. The data dependencies of every instruction is heavy
- ☐ b. Instructions are released only when the scoreboard determines that there are no conflicts
- ☐ c. It perform out of order execution
- ☒ d. All of the mentioned

Question **2**

Complete

Mark 1.00 out of 1.00

\_\_\_\_\_ method is used in centralized systems to perform out of order execution

- ☐ a. Scorecard
- ☐ b. Optimizing
- ☐ c. Redundancy
- ☒ d. Score boarding

Question **3**

Complete

Mark 0.00 out of 1.00

The score board algorithm takes cycles (load/store 2 cycles, Add/sub 2 cycles, Mult 10 cycles) to complete the execution. At which cycle multiplication will complete its execution?

LD R6 34+ R4

LD R7 45+ R3

MULT R0 R7 R4

SUBD R8 R6 R2

☐ a. 21☐ b. 19☒ c. 18☐ d. 20[← Assignment 7\\_22-04-2022](#)

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