# Review Test Submission: Pop Quiz 9 (10/22)

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| User | Yuchen Wang |
| Course | CSE661/CIS655 - Advanced Computer Architecture - F20 |
| Test | Pop Quiz 9 (10/22) |
| Started | 10/22/20 10:02 AM |
| Submitted | 10/22/20 10:12 AM |
| Due Date | 10/22/20 12:20 PM |
| Status | Completed |
| Attempt Score | 7 out of 10 points |
| Time Elapsed | 9 minutes out of 10 minutes |
| Results Displayed | All Answers, Submitted Answers, Correct Answers, Feedback, Incorrectly Answered Questions |

## Question 1

2 out of 2 points

Name dependencies are detected at runtime in superscalar processors.

Selected Answer: True

Answers: True

False

## Question 2

2 out of 2 points

Amdahl's law does not apply to multi issue processors.

Selected Answer: False

Answers: True

False

## Question 3

0 out of 1 points

GCD can be used to determine if a loop is parallel or not for certain.

Selected Answer: True

Answers: True

False

## Question 4

0 out of 2 points

Which of the following statements is false?

Selected Answer: VLIW architectures execute instructions in parallel based on a fixed schedule determined when the code is compiled.

Answers:

A scalar processor processes one data item at a time.

VLIW architectures execute instructions in parallel based on a fixed schedule determined when the code is compiled.

Superscalar architectures with speculative executions are suitable for embedded processors

In a vector processor, a single instruction operates simultaneously on multiple data items.

## Question 5

2 out of 2 points

Which of the following statements is false?

Selected Answer: SIMD extension can efficiently handle sparse data by scatter and gather.

Answers:

Software-based scheduling has the advantage of viewing the entire program, and can be more sophisticated.

SIMD extension can efficiently handle sparse data by scatter and gather.

Dynamic scheduling implies out-of-order execution.

In VLIW, several different operations can be executed in one clock cycle.

## Question 6

1 out of 1 points

GPU hardware handles

Selected Answer: Thread management

Answers:

Applications

Thread management

Operating System

Virtual memory

Wednesday, December 2, 2020 11:03:38 PM EST

← OK