

2000 Paper 6 Question 2

Computer Design

Why are the following statements fallacies?

- (a) MIPS is an accurate measure for comparing performance among computers. [5 marks]
- (b) A benchmark is a typical program which accurately predicts the performance of all other applications. [5 marks]
- (c) Complex instruction set computers minimise the semantic gap between machine code and high-level languages, thereby making applications run more quickly. [5 marks]
- (d) Data caches always improve processor throughput. [5 marks]