2 Computer Design (SWM)

Consider the following statements about processors. Why are they fallacies?

(*a*) A benchmark is a typical program that accurately predicts performance.

[4 marks]

(*b*) Instructions per second is an accurate measure to compare performance among computers. [4 marks]

(*c*) Peak performance tracks observed performance. [4 marks]

(*d*) You can design an ideal processor suitable for all applications. [4 marks]

(*e*) Adding more pipeline stages always improves performance. [4 marks]