

Name: _____

Computer Processor Test (Out of 36 Marks)

1. In the space provided, describe the type of roles each of these parts have in the modern day CPU: (12)

Instruction Pointer	
Instruction Fetch	
Instruction Decoder	
Register	
ALU	
Control Unit	

2. Using some of the CPU parts above, take me through how a piece of data is gathered and processed in the CPU. (5)

3. Which part is the FPU similar to? What is the role of the FPU in a Processor, and what type of data can it handle really well? (3)

4. What type of information is stored in the Cache? (2)

5. a) What is the MHz Myth? (2)

b) Why does it make it misleading to measure CPU speed solely on MHz? (6)

6. Why does a CPU benefit from a more efficient pipeline? Why do CPUs with a longer pipeline suffer more from pipeline tax than short ones do? (6)
