

## PART 1

STATEMENTS	TRUE/FALSE	EXPLANATION
Programmers and developers are more inclined to consider computer organization over architecture, as the former deals with the instruction sets, memory addresses and the general rules in creating programs.	TRUE	
Generally speaking, computer architecture is preserved in an organization, mainly because manufacturers want to protect the users' software investments.	TRUE	
A cache memory is the same as the main memory, only smaller and slower	FALSE	Cache memory is faster than the main memory.
A persistent storage is required in a computer system in order for the currently used data to be stored and processed more quickly.	FALSE	Not all storage in a computer is the same, common storage are hdd cheap but slow, ssd, expensive but much faster than hdd
Each physical processor chip can have more than one core inside it.	TRUE	

## Part 2

### **A. What is the main difference between computer organization and computer architecture?**

- The way hardware components are linked to build a computer system is referred to as computer architecture. The structure and behaviour of a computer system as observed by the user is the subject of computer organization. It serves as a link between the hardware and software worlds.

### **B. In simplest terms possible, define what a cache memory is.**

- A collection of items of the same type stored in a hidden or inaccessible place.

### **D. What is the single, most important negative effect that might happen if computer manufacturers shorten the span of time between changes in computer architecture? (e.g., what if tomorrow, processor manufacturer decides to release a 128-bit processor chip?)**

- Well in my perspective, this change does not really affect much, only negative effect I see is that not all people are going to be able to buy this chip because for sure this is expensive.

### **E. In terms of overall performance, what can immediately make an impact in improving a computer system's performance: A change in architecture or organization?**

- More efficient and can almost reach or achieve anything when it comes to computer system

