Study Questions (Chapter 01 – Part 1)

Define the Instruction Set Architecture term. - An abstract model of a computer. Define the computer organization term. - The implement of ISA. Does computer architecture consider the specific design or implementation of a computer? ~ No Does computer organization consider the specific design or implementation of a computer? What is the main difference between computer architecture and computer organization? - The fours on what a computer does while one on how ?t dues. What is microarchitecture? - Computer's organization.
What does the term CPU stand for?
- Central Processing Unit. What does the term SRAM stand for?
- Static Random Access Memory What does the term DRAM stand for? - Dynamic Random Access Memory.

10. Melition the two main characteristics that specify computer registers. - 32-bit and 64-bit.

11. What is the primary difference between computer registers and main computer memory? - Refisters are located within CPU

12. What is the difference between a dedicated and general-purpose computer? Dedicated computer can only handle one kind of task.

13. Is an aircraft's automatic pilot an example of a dedicated or a general-purpose computer? - Dedicated. 14. What is the width of a clock pulse if the clock frequency = 100KHz? ا محامد ا 15. What is the width of a clock pulse if the clock frequency = 5KHz?

What is the main difference between synchronous and asynchronous events?