Study Questions (Chapter 01 -- Part 2)

- Can a clever system programmer differentiate between the encoded data object and encoded program instruction from their binary bit patterns?

 No Only O and I.

 Define and difrestiate between constants, variables, and pointers.

 Constants don't change Variables change Fointers value is enclared.
 In register transfer language (RTL) notation, what does [X] ← [Y] + Z mean?

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 - 5. In register transfer language (RTL) notation, what does [X] = Y + Z mean?

 6. Which is faster, cache memory or registers?
 - 7. Which is faster, cache memory or dynamic memory?
 - Computer buses link together two or more functional parts of a computer and allow the exchange of data. How these computer parts can communicate to each other without having data collision?
 - 9. Can a computer system have more than one bus?
 - 10. Define bus width.
 The number of parallel data path.

 11. Define hus handwidth
 - 11. Define bus bandwidth. 'A measure of the rate at which information can be transported across the Define bus latency.

 The voaiting period hetween a data transfer request and the aetual data transmission completted.