**Chapter 5 Main Points**

1. Binary number system: counting in binary; binary-decimal conversion
2. CPU speed factors (5-7)
3. Primary vs secondary storages: comparison (**speed, $, capacity, volatility**) (5-9~5-10, and in-class discussions)
4. System s/w and appl s/w: their relative functions (5-12~5-14); OS (operating systems) functions (5-12), and in-class discussions (my figure)

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| H/W  OS  Apps S/W |

1. Groupware
2. Agile MIS infrastructure (5-22) (In-class discussion: security, functionality, financial efficiency)
3. Sustainable MIS infrastructure: what they are -
   1. Grid
   2. Cloud – benefits and challenges
   3. virtualization