

## DC 2009 TEST #3: Review (Chapters 4 & 5)

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1. Can a magnetic stripe be erased by exposure to a magnetic field?
2. What is ASCII? Unicode?
3. What does a computer chip contain? Modern chips have thousands or millions?
4. What is the CPU? What is another name for it? Modern CPU Brand examples?
5. How is the clock speed of the CPU measured? What is the system clock?
6. What is hertz? Kilohertz? Megahertz? Gigahertz?
7. What is ZIF? Is it *easier* or *harder* to install a CPU now as compared to 10 years ago?
8. What is a heat sink?
9. What is a RAM chip? Is it volatile or non-volatile?
  - Volatile and non-volatile, which is permanent and which is temporary?
10. What does RAM store? How is memory measured?
11. Flash memory? Examples of devices that use it?
12. Does having more memory improve system performance?
13. What is a bit? Byte? Kilobyte? Megabyte? Gigabyte?
14. What is a ROM chip? Is it volatile or non-volatile?
15. What is an expansion slot? Expansion card?
  - Video card?
  - Network card?
  - Sound card?
  - Modem card?
16. What is a peripheral device? Give some examples.
17. How do manufacturers identify most cables?
18. What is a port? Serial? Parallel? USB? Firewire? MIDI?
19. What is a drive bay? Examples of Internal and External? Where would a hard drive be installed?
20. What is the power supply? Does it have a fan?
21. Bard Code? What is UPC? Who uses it? POSTNET? Who uses it?
22. MICR? OCR? OMR?
23. POS? Can you use debit or credit cards at a POS?
24. What is a PIN? How is it used with an ATM?
25. What are the different parts of an enhanced keyboard? Function keys, typing area, etc... What is a toggle key? Status light? Do laptops have more or less keys? Ergonomic keyboard?
26. What does a wrist rest (or palm rest) do? What does the mouse move on the screen?
27. How are notebook or laptop computers powered?
28. How many buttons does a typical mouse have? What is normally the primary and secondary mouse buttons?
29. What is a joystick? What are the parts of one?
30. What is an optical mouse? Does it have ANY moving parts?
31. What is a touchpad? What kind of computers usually has one?
32. What is MIDI?
33. What is a stylus? Do some PDA's have a mini keyboard? Are there portable wireless keyboards?
34. What is a pixel?
35. How is the quality of a scanner measured? PPI? What does this do to the price? What is enhanced resolution? Optical resolution? Flatbed scanner?
36. Most common biometric device? Fingerprint scanner? Retinal scanner?
37. How is digital camera quality measured? What makes the image quality better?
38. What do you need to be able to videoconference? Where is the camera normally located? What does a high speed Internet connection do to the video quality?
39. Nanosecond? Microsecond?
40. Is voice recognition software always 100% accurate?

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1. This test will be about **50 questions** (including Multiple Choice and True/False). This test is only available at the time scheduled in the syllabus. There will also be a **50-minute** time limit.
  2. This test will be taken at [d2l.rose.edu](http://d2l.rose.edu) and reviewed immediately afterwards.
  3. Study hard, you will **not** be allowed to use your textbooks or any notes on this test.