1. Name the four research areas that converged to form the World Wide Web.

2. Provide three reasons cited in lecture why one would build a computer.

3. Give one example of a type of data that is naturally digital, and another example of a type of data that must be converted from analog and approximated by digital.

4. Explain the differences between time-sharing and client-server computing approaches.

5. Briefly define the term embedded computer, and provide an example where this technology can be used.

6. What is the difference between a property and a method? Identify each for a spreadsheet application or for a web browser application.

7. You need a specialized word processor as part of your studies in Japanese. You need to choose between a freely-available application provided by the College, or the option to purchase an extension to your current word processor for some amount of money (dollars or yen). As an IT fluent citizen, list three issues to consider in your decision.

8. Provide the HTML code for the <BODY> section to depict the information in the box below:

```
Majority Of Americans Thought We Already Had A Moon Base

WASHINGTON, DC—A NASA poll conducted to gauge support for President Bush's space-exploration initiative revealed that a depressing 57 percent of Americans believe that the U.S. already has a research base on the moon. "We put that international space-station thing up there in the '60s," phone-poll respondent Randy Snow said. "It might be on Mars, but I think it's the moon—wherever they have the golf course that President Kennedy played on. Remember, the Cubans tried to take it over?" NASA officials said they hope someday to make Americans' perception a reality.
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Also, make “NASA” a link to the link http://www.nasa.gov/

9. Discuss the difference between server-side (i.e., physical) styles (e.g., bold, italic) and client-side (i.e., logical) styles (e.g., strong, emphasis) in HTML.

10. How many bits in memory are needed to ensure 640 x 480 screen resolution (i.e., pixel count) using an 8-bits per pixel scheme?

11. In hexadecimal, what is the next number after each of the following:
   
   a. 5  
   b. 9  
   c. F7  
   d. A9  
   e. 9F

12. When is a GUI advantageous? When it is not advantageous?

13. Define the term Universal Design as found in HCI research.

14. Explain one major milestone in the evolution of HCI, focusing on the physical method of interaction (excluding the mouse and keyboard). What does the future hold?
15. How long, as determined by HCI research, is a delay in response perceived by the typical person as an interruption?

16. True or false: Computers generate information.

17. True or false: A computer is currently the world chess champion.

18. In one sentence, explain the two greatest virtues of paper as an information technology device. In another sentence, explain its single greatest drawback.

19. List the three types of memory discussed in lecture that HCI researchers have identified as significant.