1. (2 pts) We usually refer to components of a computer system that we can physically touch as hardware, whereas the programs which control them are referred to as software.

2. (2 pts) Structured programming is an attempt to avoid the use of the statement goto.

3. (2 pts) The binary number system contains two digits, 0 and 1.

4. (2 pts) The decimal equivalent of the binary number 10111 is 23, and the binary equivalent of the decimal number 20 is 10100.

5. (2 pts) If we use 4 binary digits to represent a number, the representation of -4 would be 1100.

4 in binary is 0100. We first flip the bits to get 1011, and then add 1 to get 1100.