Chapter 12 Important Points

This is a summary of the parts of Chapter 12 that you should understand and be able to explain. In addition you should be able to solve problems related to them.

1. I/O Hardware: ports buses, controllers and devices

   (a) memory mapped I/O
   (b) direct I/O

2. I/O system software:

   (a) device drivers
   (b) I/O programs
   (c) polling

3. Interrupt-driven I/O: steps

4. DMA:

   (a) what it is,
   (b) steps that take place
   (c) issues

5. Device characteristics

6. Steps in I/O - life cycle of an I/O operation