# ENS1161 Computer Fundamentals

## Module 8 – Revision Questions

1. What are the different levels of I/O interfacing software?

2.  What does BIOS stand for and what are the main functions of the BIOS?

3. What are I/O modes? Name and briefly describe each mode covered in this module.

4. What are the advantages and disadvantages polled I/O?

5. Describe in detail (using diagrams where appropriate) what happens from the time the processor receives an interrupt signal till normal operation is resumed.

6. What is DMA? When would be beneficial / appropriate to use DMA? Briefly describe how DMA works, including and additional devices required.

7. What is the difference between memory mapped I/O and isolated I/O?  What are the relative advantages and disadvantages of each?

8. What is interrupt hooking? How can malware exploit this capability?