

ENS1161 Computer Fundamentals

Module 1 Tutorial / Revision Questions

1. What are the main components of a basic computer system?
2. What do the following terms mean?
 - a. Hardware
 - b. Software
 - c. Firmware
 - d. Bit
 - e. Byte
 - f. Nibble
3. Why are the computer instructions and data all in binary?
Hint: Relate this to the computer hardware.
4. What is the difference between primary storage and secondary storage?
5. What is the sequence of actions that a processor continually carries out?
6. What are the main functions of an operating system?
7. Name the 4 categories of computers as given in the lecture slides and describe them.
Discuss the differences of these systems (based on your understanding) in terms of size and computing power.
Hint: Think about what they are used for.
8. Think about all the computing devices that you use and how you use them.
What are the key developments in computing technology that have enabled this to be possible?
What are key factors that could drive and/or limit computing technology developments in the future?