

## **ENS1161 Computer Fundamentals**

### **Module 11 – Revision Questions**

1. List 4 requirements for embedded systems that differ from the requirements for general purpose computers. Explain two of these in more detail, using examples to illustrate your points.
2. Briefly explain the difference between transformational systems and reactive systems.
3. Explain what is meant by real-time embedded systems. Give an example of an application that would require real-time embedded systems.
4. Briefly explain what is meant by Internet of Things. Give two examples of how embedded systems are used in applications using IoT.
5. Explain the function of a data centre, and some of the services provided by a typical data centre.
6. Briefly describe the concept of cloud computing and the main advantages of cloud computing over traditional IT infrastructure deployment.
7. Explain what is meant by each of the following, giving examples for each:
  - a. IaaS
  - b. PaaS
  - c. SaaS
  - d. Other XaaS components