1. For a printer to work, it must have a driver.

(a) State what is meant by a driver. [2]

(b) Explain how a driver makes it possible for the same printer to work with more   
than one different type of computer hardware. [3]

2. A company is producing a new operating system to monitor and control the operation of a nuclear power plant.

(a) Explain why the company chose a real-time operating system for this task. [2]

(b) Describe what is meant by a fail-safe. [2]

(c) Describe what is meant by hardware redundancy. [2]

3. State a function the BIOS performs at start up. [1]

4. List **three** ways in which an embedded operating system differs from an operating system on a desktop computer. [3]

[Total 15 marks]