**HL Unit 7** **– Control**  
Quiz 3

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| **Question 1** | | | |
| Objectives: | 7.1.2, 7.1.3, 7.1.4, 7.1.6 | Exam Reference: | Nov-15 9 |

1. A control system is used to control sliding doors which automatically open to allow people in

and out of a shop.

1. (i) Identify one type of sensor in this system. [1]

(ii) Identify one piece of hardware, other than sensors, that is part of the control  
 system. [1]

(iii) With reference to the role of sensors, outline the sequence of steps within the  
 computer control system that will take place when a person approaches the door. [3]

1. (i) Define the term interrupt. [2]

(ii) Describe a situation in this system where an interrupt would occur. [2]

1. Discuss the contribution of computer control systems in industry where they replace

human workers. [6]