E7 homework

Answer all questions. Use the Data Booklet. Total: 8 marks.

1 **State** two domestic uses of microcontrollers. **[2]**

2 **State** where an input switch is connected. **[1]**

3 **State** where an output lamp is connected. **[1]**

4 **Describe** two differences between a microcontroller system and a hard-wired system. **[2]**

5 **Explain** why engineers keep the same pin numbers in the flowchart, circuit and program. **[2]**