

Homework SEL 4533 Microcontroller

Semester: 2011/12

Academic Session: II

Name:

Matrix number:

Please answer all questions in maximum 4 pages including this page. Please attach illustration(s) and/or block diagram if necessary to support your answers.
(Submission deadline 13 March 2012)

Question 1: Describe the differences between microcontroller and microprocessor. State three other microcontroller models besides 68HC11 (10%).

Question 2: Please state two devices in the market that uses microcontroller and describe their functions in detail. You may provide a figure if it helps to explain the function or other information you think relevant (i.e., microcontroller model) (50%).

Question 3: Propose a new invention of an embedded system using a microcontroller that can be useful in our everyday life. Describe in details what the application is. Your answer may include introduction, problem background, system design and detail description on how it works (40%).
