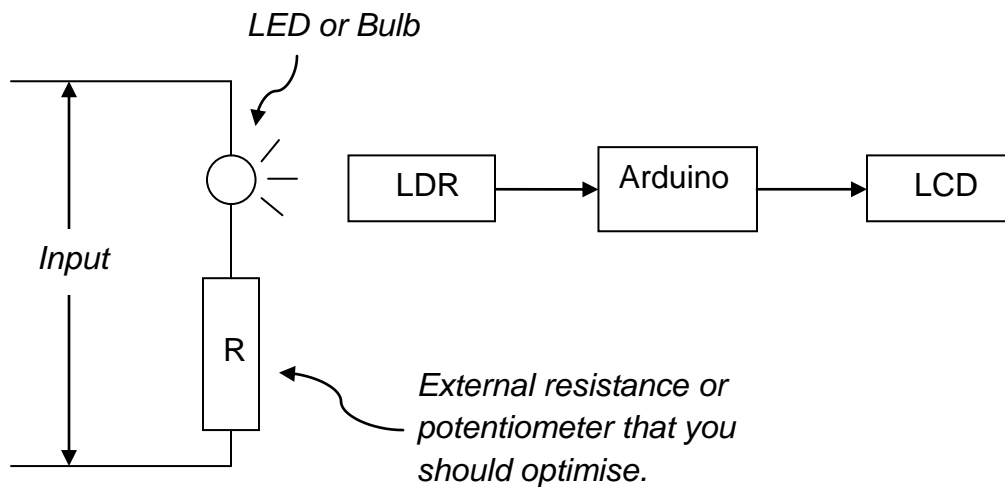


EP486 Microcontroller Applications
First Midterm Exam Questions
University of Gaziantep, Department of Engineering of Physics
(Deadline: 02/12/2013)

Question 1

By using Arduino board, design and construct a simple Voltmeter. Calibrate your voltmeter such that, it works fine for the range 0-25 V. The schematic is given below. (Hint: The light intensity of the bulb or LED is proportional to input voltage).



Question 2

By using Arduino board, design, construct and control a lift for an apartment having four floors. The schematic is given below (Hint: you can use 4511B BCD to 7-segment decoder).

