

Fourth Year Mechatronics Department
CSE496-Elective Course (2): Digital Image Processing
Quiz #3, Time Allowed 30 minutes.
Spring 2015



Ain Shams University
Faculty of Engineering

Student Name:

Student ID:

15	10	30	5	5
10	0	40	5	5
10	10	90	20	10

For the given image above:

- 1- Estimate the result of applying a 3x3 averaging filter.
- 2- Estimate the result of applying a 3x3 median filter.
- 3- Calculate the gradient magnitude using a suitable gradient operator.
- 4- Obtain the edge map of the image using a suitable threshold.