



**Electrical Engineering Department**  
**EE 410 Digital Image Processing (052)**  
**Instructor: Dr. Omar A. Al-Swailem**



Name:	ID#	Date: Monday April 3 <sup>th</sup> , 2006
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1- Indicate the True and False statements from the following:

Note please that Correct Answer = 2.0 point, No Answer = 0.0 point, Wrong Answer = -1 point.

Histogram equalization will drastically enhance the image if repeated.

The value of the Fourier Transform at (0,0) is always real value.

Centering the Fourier transform of an image can be achieved by multiplying each pixel value by  $(-1)^{x+y}$  where  $x$  and  $y$  are the spatial coordinates of that pixel.

Fourier transform of an image will clearly indicate how much bright or dark the image is.

2- Draw the block diagram form the steps of filtering an image in the frequency domain.