

QUIZ # 1

Digital Image Processing

Course: BESE 14

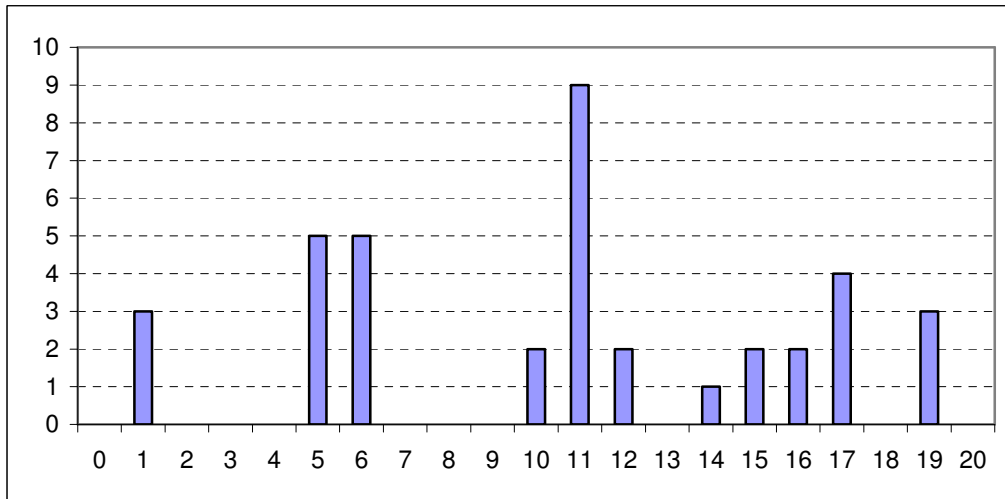
Name: _____

Time Allowed: 10 Mints

Max Marks: 10

(4)

1. Consider an 8-bit image having the following histogram:



Assume that the least significant bit for each pixel in the image is set to 0. Show the histogram of this new image.

(2)

2. Consider the following 8-bit image of size 10x256 showing each of the possible gray levels from black to white. The value in each column is the same shade of gray. Show the histogram of this image. (Note: The black border around the image is just to highlight its boundary. Its not a part of the image)



3. How many bytes are required to store an image of 20x20 having 64 intensity levels? **(2)**

4. What is the difference between images 'a', 'b' and 'c'. **(2)**

