

**Benha University**

**Faculty of Engineering \_Shoubra**

**Surveying Engineering Department**

**Fourth Year**

**Year: 2017/2018**

**Semester: One**

**Remote Sensing and Photo Interpretation**

**Assignment No: 2**

**Pixel, Images and Colors**

1. What is an Image and Pyramid Layers?
2. Types of Image Resolution.
3. Define the following terms:
4. Digital Number (DN).
5. Ground Sample Distance (GSD).
6. IFOV.
7. Color composite images.
8. False color composite.
9. Natural color composite.
10. Explain how a digital image could be represented in a digital computer.
11. Write in detail about the following:
12. Applications of remote sensing.
13. Current Specifications of Satellites.