

Menoufiya University
Faculty of Engineering
Shebin El-Kom
Academic Year: 2013-2014



Department: Civil Engineering
Subject/Code: Image interpretation
Time Allowed: 3 hours
Date: 15 / 6 / 2014

Answer all the following Questions [100 Marks]

Marks

Question (1)

[25]

- (a) Define Remote Sensing system and explain the main components of this system ?
- (b) What are the jobs of the sensors in Remote Sensing system?

Question (2)

[25]

- (a) State the advantages of Panchromatic films and their uses?
- (b) In Color Infrared films, the colors named as false colors, why?
- (c) What is the Radar and its uses ?
- (d) Define briefly:
Resolution - Spectral Resolution - Spatial Resolution - Radiometric
Resolution - Temporal Resolution

Question (3)

[25]

- (a) List the three stages of Supervised Classification ?
- (b) What is the basic principle of Unsupervised Classification?

Question (4)

[25]

- (a) Describe the different applications of remote sensing in cities ?
- (b) Explain the difficult which appear when the Arab researchers use images satellite ?

Best Wishes: Dr/ Mohamed Ismail مع أطيب التمنيات بالتوفيق