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