UNIVERSITY OF AGRICULTURE, ABEOKUTA
COLLEGE OF ENVIRONMENTAL RESOURCES MANAGEMENT
DEPARTMENT OF FORESTRY AND WILDLIFE MANAGEMENT

FIRST SEMESTER EXAMINATION 2009/2010 SESSION

COURSE CODE: FWM 315

COURSE TITLE: REMOTE SENSING AND MAPPING TECHNIQUES

DATE: THURSDAY 8TH JULY, 2010

TIME ALLOWED: Two Hours

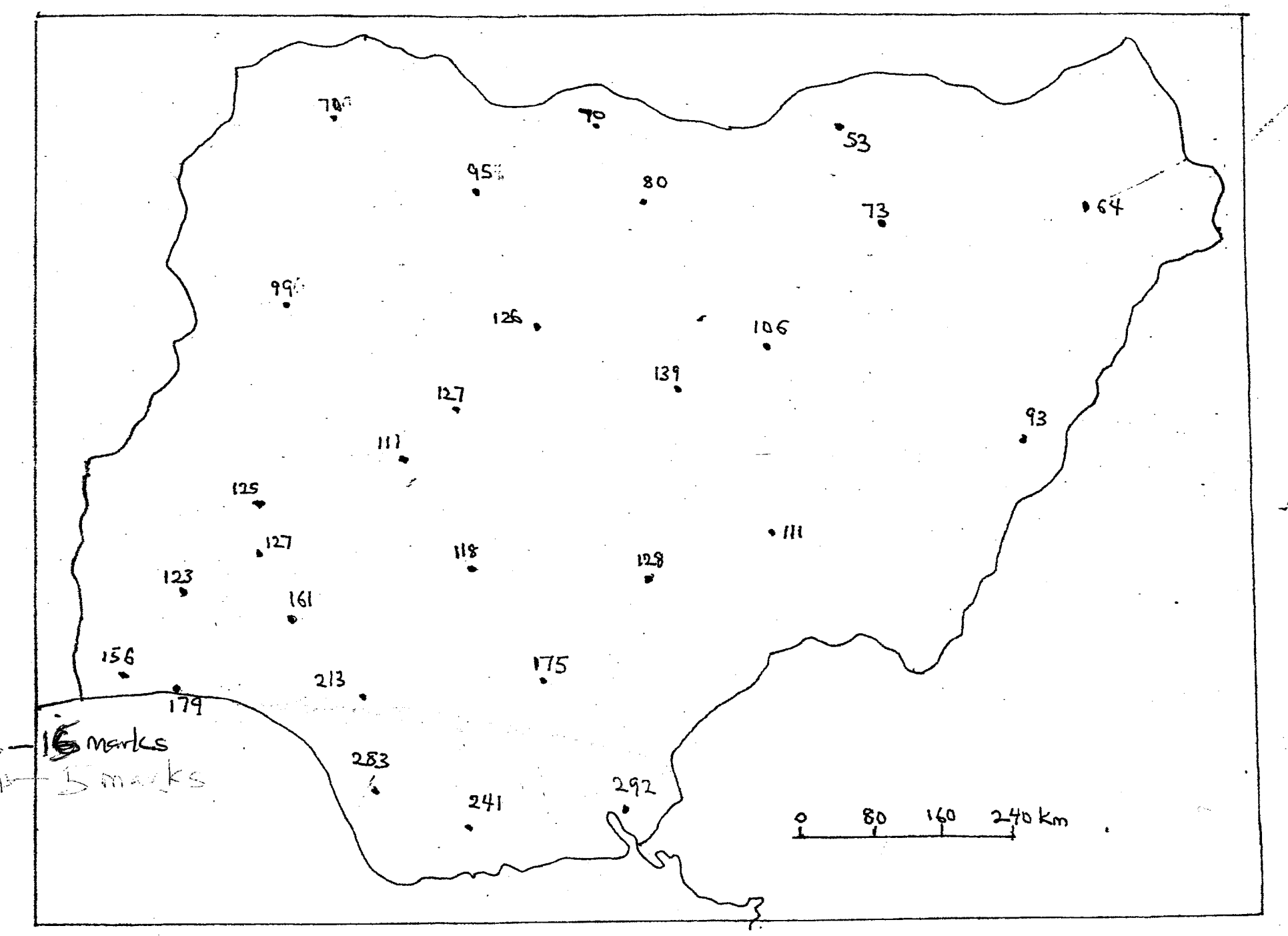
INSTRUCTION: Answer ALL Questions from Section A and ONE from Section B.

SECTION A

1. Use a diagram to describe the breakdown of Electro Magnetic energy into various spectral regions.
2. Remote sensing gives a synoptic view of spatial phenomena. Explain.
3. What is mosaic in aerial photography?
4. Explain vividly the meaning of G.I.S.
5. Explain these features (i) Platform (ii) Sensor (iii) Satellite.
6. Give 4 examples of scanning radiometer-sensors and the satellites on which they are carried.
7. Give the name of the sensor on board Nigeria Sat I and the spectral portion of the EMS on which it images.
8. Why would you prefer a SLAR to a RAR in radar remote sensing?
9. What is a map?
10. What is the basic difference between a map and photographs?
11. Why would you prefer one method of showing scale to another?
12. What are isopleths used to represent the following phenomena called
    (i) Height (ii) Temperature (iii) Pressure (iv) Saltiness
    (v) Areas of equal pressure tendency.
13. What are base maps?
14. What are dielectric properties of an object?
15. Prepare an isopleth map with the base map provided.

SECTION B

1. Describe the 3 levels of measurements.
2. How would you manually interpret an image?
3. What factors the quality of images?



15 marks

5 marks