FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF SCIENCE AND SCIENCE EDUCATION
DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER 2011/2012 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: REM 315: (3 Units)
COURSE TITLE: Digital Image processing 3UNITS

INSTRUCTIONS: Answer any 4 questions

TIME ALLOWED: 2½ Hours

1. Distinguish between the computer's requirement for digital image processing and word processing from a typical company secretary.
   10MKS

2. a. Explain the purpose for digital image processing.   5mks

   b. Distinguish between the following image storage formats:

   Bands inter leave by pixel BIP and Band Sequential BSQ.   5mks

3. Using a flow chart, describe the steps involved in analysing NigeriaSat imagery.
   10MKS

4. Distinguish Between the following:

   a.   Spectral and Multispectral enhancement Techniques.   5MKS

   b.   Greyscale and Colour Composite.   5MKS

5. Explain the Image processing technique that involves assigning target names to features in a digital image and highlight the major difference between the two examples of this technique.
   10MKS

6.   a.   What is a digital Image?   3MKS

     b.   Discuss in details the elements of Image interpretation.   7MKS