FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

SCHOOL OF NATURAL AND APPLIED SCIENCES

DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER 2012/2013 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: REM 315 (3units)

COURSE TITLE: Digital Image Processing (DIP)

INSTRUCTIONS: Answer any four (4) questions of your choice. Credit will be given for the use of specific examples and appropriate diagrams.

TIME ALLOWED: 3 Hours

1. (a). What is a digital image.

   (b). Describe the different digital image data storage formats.

2. (a). What do you understand by **Image Resolution?**

   (b). Discuss the different types of image resolution you know.

3. With the aid of a diagram, describe the steps involved in digital image processing.

4. Image analysis in visual techniques adopts certain elements of interpretation. Discuss in details these techniques.

5. Discuss any three image enhancement techniques.

6. Differentiate between supervised and unsupervised classification.