

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA  
SCHOOL OF NATURAL AND APPLIED SCIENCES  
DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER 2012/2013 SESSION UNDERGRADUATE EXAMINATION

**COURSE CODE:** GRY 115 (3 units)

**COURSE TITLE:** Introduction to Practical Geography

**INSTRUCTIONS:** Answer Question 1 and 2 and any other two Question. Credit will be given for the use of specific examples and appropriate diagrams.

**TIME ALLOWED:** 3 Hours

1. a. Outline and Discuss the steps involved in making a Choropleth map  
b. Discuss the merits and limitations of the choropleth mapping technique
2. a. What are visual variables?  
b. Outline the visual variables and discuss the roles they play in mapping.
3. a. What is meant by scales of measurement in cartography?  
b. Outline and describe these levels of measurement.
4. a. Enumerates the steps involved in making a population map of Nigeria using the pie charts or pie graph technique.  
b. Describe any challenges the cartographer may face in making this map.
5. a. What are the attributes of volumetric data?  
b. Discuss how you can determine the volume of water contained in a reservoir.
6. a. Provide a definition for Thematic Map.  
b. State any challenges that may be encountered in Thematic mapping.