

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

FIRST SEMESTER 2015/2016 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: GRY 411

COURSE TITLE: **Research Design and Methodology**

INSTRUCTION: Answer **FOUR** Questions in **ALL**; Question **ONE** and Three Others

TIME ALLOWED: 2HRS 30MINS

1. (a) Discuss the basic components of a research proposal and indicate the characteristics of a research objective.  
(b) Enumerate the major ethical considerations in a research involving farming practices in the savannah area of Niger State.
2. (a) Discuss the link between the methodology of a research and its objectives  
(b) Enumerate the basic features of a research objective.
3. (a) Justify the view that paradigm shift in Geography is evolutionary rather than revolutionary  
(b). Explain the possible outcomes of a research hypothesis; and give the implications of the two.
4. By establishing their interconnectedness, discuss the main components of a research process.
- 5 (a) Identify five basic socio-economic characteristics of a population and discuss the relevance of each for inclusion in a research questionnaire for the study of "Adaptation to Urban Flooding in Minna Metropolis".
6. Discuss the challenges of collecting secondary geographical data in Nigeria. To what extent would you say these challenges could be overcome by recourse to primary sources of information?