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

**SECOND SEMESTER 2009/2010 SESSION UNDERGRADUATE EXAMINATION**

**COURSE CODE:** GRY 528

**COURSE TITLE:** Global Change and Sustainable Development

**INSTRUCTIONS:** Answer any four (4) questions. Credit will be given for the use of specific examples and relevant illustrations.

**TIME ALLOWED:** 2½ Hours

1. (a) With specific examples, give a working definition of Global Change  
(b) Examine and discuss major indicators of Global Change
  2. Critically examine the concept of Sustainable Development and analyse at least five (5) strategies for achieving it.
  3. Outline and discuss ways by which humans impact on the global natural vegetation, and suggest mitigating measures.
  4. Give explanatory account of the ideals and principles behind AGENDA 21 of 1992.
  5. Attempt an explanation of how man impacts on Global Oceans and water surfaces. Suggest ways of resolving identified problems.
  6. Write explanatory notes on any three (3) of the following:
    - (i) Global Warming
    - (ii) The Polluter-Pays-Principle (PPP)
    - (iii) Energy Conservation for Sustainable Development
    - (iv) Atmospheric Pollution Control
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