

**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA**  
**SCHOOL OF NATURAL AND APPLIED SCIENCES.**  
**DEPARTMENT OF GEOGRAPHY**  
**SECOND SEMESTER 2012/2013 UNDERGRADUATE EXAMINATION**

**COURSE CODE; GRY 524**

**COURSE TITLE; SOIL GEOGRAPHY**

**INSTRUCTIONS; ANSWER ANY FOUR QUESTIONS**

**TIME: 3 HOURS**

1. Appraise current national programmes and action plans on soil conservation in Nigeria.
2. Using detailed diagrams and illustrations, differentiate between the following soil texture, soil mixture and soil structure.
3. Define soil and discuss its functions.
4. Name three types of soil and differentiate with specific examples that you have studied
5. Discuss the role of climatic and parent materials in the evolution of soils.
6. Write explanatory notes on any three of the following in soil profile differentiations
  - A. Illuviation.
  - B. Eluviation.
  - C. Soil acidity.