

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

SCHOOL OF PHYSICAL SCIENCES

DEPARTMENT OF GEOGRAPHY

SECOND SEMESTER 2014/2015 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: GRY 524

COURSE TITLE: Soil Geography

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

TIME ALLOWED: 2: 30 minutes

1. Appraise current national programmes and action plans on soil conservation in Nigeria.
2. Using detailed illustrations, differentiate between **any three** of the following:
 - I. Soil texture
 - II. Soil mixture
 - III. Soil structure
 - IV. Soil air
3. Define soil and discuss its functions.
4. Using specific examples, identify and differentiate between any three types of soil.
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:
 - I. Illuviation
 - II. Eluviation
 - III. Soil acidity
 - IV. Soil density