

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

SCHOOL PHYSICAL SCIENCES

DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER 2017/2018 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: GRY 543

COURSE TITLE: Natural Resource Evaluation

CREDIT UNIT: 2

INSTRUCTIONS: Answer any three (3) questions. Credit will be given for relevant illustration and examples.

TIME ALLOWED: 2½ Hours

1. a. Explain the term "Natural Resources"
 - b. Describe the fundamental types of natural resources and justify the need for their evaluation
2. Explain the spectral characteristics of water and their applications in water resource monitoring.
3. Describe the fundamental applications of vegetation indices in agricultural resource evaluation.
4. Using specific examples and illustrations describe the remote sensing applications of Digital Terrain Modelling (DEM)
5. Discuss the fundamental strategies used for Reducing Emission from Deforestation and Forest Degradation (REDD+).