

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

SCHOOL OF NATURAL AND APPLIED SCIENCES

DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER 2012/2013 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: REM513 (3 units)

COURSE TITLE: Biodiversity Studies

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

TIME ALLOWED: 3 Hours

1. Using relevant examples define the concept of biological diversity
2. Enumerate the natural services a healthy biodiversity provides and explain two under each of the services.
3. Expatiate on the statement that, 'while there might be survival of the fittest within a given species, each specie depends on the services provided by other species to ensure survival.
4. Identify and discuss any five factors that may affect the distribution of biodiversity
5. Explain any three of the following
 - a. Sustaining biodiversity
 - b. Climate change, biodiversity and ecosystems
 - c. Inventory and assessment of biodiversity
 - d. Biodiversity conventions and treaties
6. Enumerate and discuss any five factors that causes the extinction of biodiversity