



**NATIONAL OPEN UNIVERSITY OF
NIGERIA**
14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
MARCH/APRIL 2014 EXAMINATION

COURSE CODE: ESM 428

COURSE TITLE: ECOLOGY OF NATURAL RESOURCES

TIME ALLOWED: 2HOURS

INSTRUCTION: ANSWER ANY FOUR (4) QUESTIONS. EACH QUESTION CARRIES 17^{1/2}MARKS.

1a. Write briefly on the "Atmosphere", as a component of Nature.
(5^{1/2}marks)

1b. Enumerate concisely the Atmospheric Layers.
(12marks)

2. Elaborately discuss the term "Environmental Sustainability".
(17^{1/2}marks)

3a. Discuss briefly on Watersheds. **(5marks)**
3b. Write short notes on 5 Watershed factors. **(10marks)**
3c. Define Watershed Management. **(2^{1/2}marks)**

4a. Write briefly on Wildlife Conservation in Africa. **(10marks)**

4b. Discuss briefly on the threats to Wildlife Conservation. **(7^{1/2}marks)**

5. Elaborately discuss the Biogeochemical Cycles. **(17^{1/2}marks)**

6a. Write short notes on each of the following; **(7^{1/2}marks)**
I. Renewable resources
II. Non-Renewable resources

6b. Briefly discuss on any 2 of the following; **(10marks)**
I. Lithosphere
II. Hydrosphere

III. Biosphere