



**NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
JANUARY/FEBRUARY 2013 EXAMINATION**

PROGRAMME: Environmental Science and Resource Management

COURSE CODE: ESM 428

COURSE TITLE: Ecology of Natural Resources

COURSE UNIT: 2 units.

TIME : 2 hours 30 minutes.

INSTRUCTION: Answer any 4 questions.

1. Describe the major challenges associated with wildlife conservation in Africa. (18 marks)
2. List and explain the various instruments of environmental protection (18 marks)
3. a. Briefly identify and discuss the major components of the atmosphere (9 marks)
b. Explain the biosphere as part of the natural environment (9 marks)
4. Differentiate between renewable and non-renewable resources, giving appropriate examples. (18 marks)
5. Discuss elaborately on 'Integrated watershed management as a subset of environmental planning'. (18 marks)
6. Explain how each of the following factors impact on the natural environment
 - a. Transport and Infrastructure (4 marks)
 - b. Tourism and Recreation (3.5 marks)
 - c. Industry (3.5 marks)
 - d. Deforestation (3.5 marks)
 - e. Agriculture (3.5 marks)

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