 **CHUKA UNIVERSITY**

 **COLLEGE**

**UNIVERSITY EXAMINATIONS**

**FIRST YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE, B.A COMMUNICATION & MEDIA, B.SC. AGRICULTURE,**

**B. AGRIBUSINESS MANAGEMENT, B.SC. ANIMAL SCIENCE, B.SC. ANIMAL HEALTH, BACHELOR OF ARTS.**

**ENSC 100: ENVIRONMENTAL SCIENCE**

**STREAMS: - as above – (Y1S1) TIME: 2 HOURS**

**DAY/DATE: TUESDAY 11/12/2012 8.30 A.M – 10.30 A.M.**

**INSTRUCTIONS:**

**Answer all Questions in Section A and any other 2 Questions in Section B.**

**SECTION A:**

1. Define the following terms: [5 marks]
2. Ecology
3. Biodiversity
4. Eutrophication
5. Biochemical oxygen demand
6. Ecological niche
7. Highlight advantages of surface fires in tropical rain forest. [5 marks
8. Briefly explain the relevance of environmental education in promoting sustainable development and use of natural resources. [5 marks]
9. Briefly explain how deforestation can lead to loss of biodiversity and the ecological services provided by forests. [5 marks]
10. State five (5) effects of global warming. [5 marks]
11. Describe five strategies which can be used to carry out ecological restoration and rehabilitation. [5 marks]

**SECTION B: Answer any two questions (40 Marks)**

1. ‘Agriculture has the greatest total harmful environmental impact than any other human activity’. Discuss. [20 marks]

1. Discuss the role of Governments, nongovernmental organizations (NGOs) and public participation in environmental protection and Biodiversity conservation. [20 marks]
2. With help of a diagram explain the carbon cycle. [20 marks]

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