

**CHUKA**



**UNIVERSITY**

**COLLEGE**

**UNIVERSITY EXAMINATIONS**

**EXAMINATION FOR THE AWARD OF DEGREE OF  
MASTER OF ARTS (GEOGRAPHY)**

**GEOG 523/723: ENVIRONMENTAL POLLUTION**

**STREAM: M.A (GEOGRAPHY)**

**TIME: 3 HOURS**

**DAY/DATE: WEDNESDAY 3/8/2011**

**11.30 A.M. – 2.30 P.M.**

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**INSTRUCTIONS:**

Answer question ONE and any other TWO questions.

1. 'Climate change is both a threat and a unique opportunity for Africa'. Discuss. [30 marks]
2. (a) Define the following terms/concepts. [6 marks]
  - (i) Eutrophication
  - (ii) Carbon sequestration
  - (iii) Flocculation
- (b) Using a well-labeled diagram, briefly explain the structure of the atmosphere. [14 marks]
3. (a) What is environmental law? [4 marks]
- (b) Discuss the FOUR "Principles of good neighbourliness" with regard to transboundary pollution and environmental harm. [16 marks]

4. (a) Distinguish between wet acid deposition and dry acid deposition. [4 marks]
- (b) Describe any FOUR measures that may be taken to reduce greenhouse gas emissions. [16 marks]
5. There have been reports in the local newspapers that the water supplied to Chuka residents is not of the recommended quality for drinking. The Chuka Municipal Council has information that you recently undertook a course in environmental pollution and has decided to hire you as an expert to help them determine the quality of the water. Briefly discuss the methods you will use to determine the quality of the water the council has been supplying. [20 marks]
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