



**JARAMOGI OGINGA ODINGA UNIVERSITY OF  
SCIENCE AND TECHNOLOGY  
UNIVERSITY EXAMINATION 2013  
1ST YEAR 2ND SEMESTER EXAMINATION FOR THE  
DEGREE OF BACHELOR OF EDUCATION ARTS WITH IT  
(S BASED KOSELE)**

**COURSE CODE: EMA 111**

**TITLE: ENVIRONMENTAL EDUCATION**

**DATE: 30/4/2013                      TIME 8.00-10.00AM**

**DURATION: 2 HOURS**

**INSTRUCTIONS**

- 1. This paper contains FIVE (5) questions**
- 2. Answer question 1 (Compulsory) and ANY other 2 Questions**
- 3. Write all answers in the booklet provided**

1. A) Outline the significance of any Two ( 2) Global Environmental Conventions. (6 Marks)  
B) Describe the application of “ **Value clarification** ” in Environmental Education. (6 Marks)  
C) Highlight the negative aspects of Municipal Solid Waste Landfills. (6 Marks)  
D) Describe any 3 (Three) Principles of Sustainability. (6 Marks)  
E) Explain the term “Eutrophication ” of water bodies. (6 Marks)  
F) Justify the importance of the Environmental Management and Coordination Act (EMCA 1999) in Kenya. (6 Marks)
  
2. Discuss “**The Problem Solving Approach**” in Environmental Education. (20 Marks)
  
3. A) Expound the major factors affecting Human Settlement. (10 Marks)  
B) Illustrate the Waste Hierarchy Concept . (10 Marks)
  
4. Compare and contrast the impacts of “**Acid Rain**” and “ **Stratospheric Ozone Layer Depletion**”. (20 Marks)
  
5. A) Explain the “**Utilitarian View**” of Natural Resources, using appropriate examples. (12 Marks).  
B) Elucidate the physiological effects of contamination from Mercury and Lead. (8 Marks)