



A Constituent College of Kenyatta University

**UNIVERSITY EXAMINATIONS 2009/2010 ACADEMIC YEAR**

**SCHOOL BASED PROGRAMME**

**YEAR I BLOCK I EXAMINATION FOR THE DEGREE OF**

**BACHELOR OF ENVIRONMENTAL PLANNING AND  
PLANNING MANAGEMENT**

**ERC 100: PRINCIPLES OF ENVIRONMENTAL EDUCATION**

**END SEMESTER: I**

**TIME: 3 HOURS**

**DAY/TIME: WEDNESDAY 7.00 TO 10.00AM DATE: 8.12.2010(GS2)**

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**INSTRUCTINS**

- Answer question **ONE** and any other **TWO** questions.

**SECTION A: ANSWER ALL QUESTIONS FROM THIS SECTION**

Q.1) Explain the following concepts as used in environmental education:

- i) Total environment (2 marks)
- ii) Ecology (2 marks)
- iii) Ecosystem (2 marks)
- iv) Global common resource (2 marks)

Q.2) State three(3) objectives of environmental education in Kenya. (6 marks)

Q.3) Explain the significance of the 1972 Stockholm conference in the development of environmental education at the global level (6 marks)

Q.4) Briefly state four(4) attributes of the atmosphere that make it sustain life on planet earth. (8 marks)

Q.5) Briefly explain three(3) attributes of active learning approach in environmental education. (6 marks)

Q.6) Briefly explain three(3) challenges facing the teaching and learning of environmental education in schools in Kenya. (6 marks)

**SECTION B: ANSWER ANY TWO QUESTIONS FROM THIS SECTION**

- Q.7) a) Using relevant examples from Kenya, discuss wetland ecosystems in terms of their importance to mankind, their threats and management to enhance their sustainability. (15 marks)
- Q.8) a) What is *energy flow* in an ecosystem? (3 marks)
- b) Using a diagram, explain energy flow in an aquatic ecosystem. (12 marks)
- Q.9) Write an essay on global warming: Causes, effects and mitigation measures. (15 marks)