



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

**FIRST YEAR FIRST SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF EDUCATION WITH INFORMATION
TECHNOLOGY**

HOMA-BAY CAMPUS

EMA 111: ENVIRONMENTAL EDUCATION

Date: 10th December, 2015

Time: 8.00 - 10.00 am

INSTRUCTIONS:

- Answer question ONE and any other TWO questions.

HOMABAY CAMPUS

EMMA 111: ENVIRONMENTAL EDUCATION

DATE: _____ 2015 _____ TIME: _____

INSTRUCTIONS:

Answer questions ONE and any other TWO questions

1.

a) Explain the following terms in Environmental Education

- i) Environmental awareness (2 Marks)
- ii) Population (2 Marks)
- iii) Food chain (2 Marks)
- iv) Community (2 Marks)

b) Examine the rationale behind the introduction of environmental education.

(10 Marks)

c) Highlight Three (3) broad categories of ecosystem.

(6 Marks)

d) Differentiate between the following terms:-

- i) Birth rate and Death rate (3 Marks)
- ii) Growth rate and Population density. (3 Marks)

2. Explain how overgrazing can accelerate the process of desertification and suggest possible remedial measures. (20 Marks)
3. Discuss how the following pollution control activities could be undertaken.
- a) Reduction of chemical pollution from industrial activities and agricultural practices. (10 Marks)
 - b) Reduction of noise and air pollution in urban and industrial centres. (10 Marks)
4. a) What economic problems would be encountered if timber and paper industries were solely dependent on indigenous trees? (12 Marks)
- c) Explain how environmental awareness can contribute to sustainability of human settlement. (8 Marks)
5. a) Discuss some of the environmental problems that could result from the use of the following methods of waste disposal.
- i) Open dumping (5 Marks)
 - ii) Composting (5 Marks)
- b) Explain five (5) methods of teaching environmental education for sustainability. (10 Marks)