

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE

ENSC 101: PRINCIPLES OF ENVIRONMENTAL SCIENCE

STREAMS: Y1S1

TIME: 2 HOURS

DAY/DATE: MONDAY 4/12/2017

8.30 A.M – 10.30 A.M

INSTRUCTIONS:

- Answer all questions in section A and any two in section B
- Do not write anything on the question paper

SECTION A(30MARKS)

1. Differentiate between the following terms. [6marks]
 - (a) Renewable and non renewable resources
 - (b) Genetic diversity and species diversity
 - (c) Resource conservation and resource preservation
2. With the help of a diagram explain the major spheres of the atmosphere. [6marks]
3. Highlight 6 ways in which vehicular pollution can be controlled. [6marks]
4. Explain the value of the biological diversity in Kenya. [6marks]
5. Explain the major phases of disaster preparedness and management. [6marks]

SECTION B (40MARKS)

6. Discuss the major constraints for achieving sustainable development in Kenya. [20marks]
7. (a) Discuss the environmental implications of population dynamics. [12marks]
(b) Discuss population policies as key solutions to the environmental implications of demographic dynamics. [8marks]
8. Kenya is a country that is endowed with abundant resources that play role in economic development.
(a) Identify and discuss the importance of 5 natural resources in Kenya. [10marks]
(b) Explain the threats faced by the resources identified in (a) above . [10marks]
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