

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF BACHELOR OF SCIENCE
IN ENVIRONMENTAL SCIENCE

ENSC 100: ENVIRONMENTAL EDUCATION

STREAMS: BSC (ENSC)

TIME: 2 HOURS

DAY/DATE: MONDAY 02/12/2019

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

- Answer ALL questions in SECTION A and any other TWO in SECTION B
- Do not write anything on the question paper

SECTION A (30 MARKS)

1. Differentiate the following concepts
 - (a) Environmental education and environmental information [2 marks]
 - (b) Biodiversity conservation and biodiversity preservation [2 marks]
2. Explain briefly five objectives of environmental education [5 marks]
3. Explain briefly any five threats to biological diversity in Kenya [5 marks]
4. Highlight any six reasons for high fertility rates in most developing countries. [6 marks]
5. Write short notes on the solid waste management hierarchy. [6 marks]
6. Highlight any four effects of ozone layer depletion on human health [4 marks]

SECTION B (40 MARKS)

7. (a) Discuss six political factors that constrain the achievement of sustainable development in most developing countries. [12 marks]

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- (b) Explain the principles of sustainable development as stated by the United Nations Environment Program (UNEP) [8 marks]
8. (a) Discuss four sources of water pollution in Kenya [12 marks]
(b) Describe eutrophication as a consequence of water pollution [8 marks]
9. (a) Describe the phases involved in disaster preparedness and management [12 marks]
- (b) Discuss the SMUG model and its application in hazard prioritization [8 marks]
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