

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
NATURAL RESOURCES MANAGEMENT**

ENSC 100: ENVIRONMENTAL EDUCATION

STREAMS: BSC NARE (ODEL)

TIME: 2 HOURS

DAY/DATE: TUESDAY 10/12/2024

2.30 P.M – 4.30 P.M.

INSTRUCTIONS:

- Answer All Questions in Section A and any Two questions in section B
- Do not write anything on the question paper

SECTION A (30 MARKS)

Q1. Define the following terms

- a) Environmental education. [2 marks]
- b) Sustainable environment. [2 marks]
- d) Tragedy of the commons. [2 marks]

Q2. List various levels of biodiversity. [2 marks]

Q3. Briefly explain man-nature relationship in an ecosystem. [3 marks]

Q4. Explain the what you understand by ‘3Rs’ concept in waste management. [4 marks]

Q5. Briefly Explain the role of Non-Governmental organizations (NGOs) in environmental management in Kenya. [5 marks]

Q6. Briefly explain various phases in Disaster Preparedness and Management. [5 marks]

Q7. Briefly explain five factors that constraints sustainable development in Sub-Saharan Africa [5 marks]

SECTION B (40 MARKS)

Q8. (a) Discuss the Effects of Eutrophication. **[10 marks]**

(b) Discuss factors influencing fertility rates in developing countries. **[10marks]**

Q9. (a) Discuss the principles of sustainable development. **[10 marks]**

(b) Discuss various natural disasters. **[10marks]**

Q10. (a) Discuss point and non-point pollution. **[5 marks]**

(b) Discuss the goals, objectives and guiding principles of environmental education.

[15 marks]
