

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATION

RESIT/SPECIAL EXAMINATIONS

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

ENSC 225: NATURE, TECHNOLOGY & SOCIETY

STREAMS: BSC ENSC Y2S2

TIME: 2 HOURS

DAY/DATE: MONDAY 01/02/2021

2.30 P.M – 4.30 P.M

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**INSTRUCTIONS:**

Answer **ALL** Questions in **SECTION A** and **ANY TWO** in **SECTION B**

**Do not write anything on the question paper**

**SECTION A (30 MARKS)**

1. Differentiate the following (6 marks)
  - a) Principle of prevention and the precautionary principle
  - b) Circular economy and linear economy
  - c) Cleaning technologies and clean technologies
2. Using a diagram, explain the concept of decoupling in relation to sustainable development (6 marks)
3. Explain six negative effects of globalization on the environment (6 marks)
4. Using a diagram, explain the concept of life cycle assessment (6 marks)

5. Environmental degradation affects men and women differently. Justify this statement (6 marks)

**SECTION B (40 MARKS)**

6. (a) Discuss eight effects of militarization on the environment. (12 marks)  
(b) Explain four international treaties that regulate the impacts of military activities on the environment. (8 marks)
7. Describe the history of technology with respect to Agrarian, Industrial and Post-Industrial revolutions. (20 marks)
8. Discuss the concept of cleaner production and show its relevance to environmental management. (20 marks)
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