



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS**

**2021/2022 ACADEMIC YEAR**

**FIRST YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCES, TOURISM  
AND HOSPITALITY MANAGEMENT**

**MASTERS DEGREE IN ENVIROMENTAL  
HEALTH**

**COURSE CODE: SES 801**

**COURSE TITLE: EARTH SYSTEM SCIENCE I**

**DATE: 28<sup>TH</sup> MARCH, 2022**

**TIME: 1100-1400 HRS**

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## **INSTRUCTIONS TO CANDIDATES**

Section A is compulsory

Answer any **THREE** questions in section B

**This paper consists of 2 printed pages. Please turn over**

**SECTION A: ANSWER ALL QUESTIONS (25 MARKS)**

1. Highlight how Energy flows across ecosystems for increased efficiency

(5 marks)

2. Discuss supply side environmental concerns in the energy Sector

(5 marks)

3. Assess demand side environmental concerns in the energy Sector

(5 marks)

4. Using examples, discuss policy strategies for effective management of the mining and minerals sector

(5 marks)

4. Analyze challenges and strategies for hydropower energy in East Kenya

(5 marks)

5. Assess policies and strategies for Geothermal resources in Kenya

(5 marks)

**SECTION B: ANSWER ANY THREE QUESTIONS (45 MARKS)**

6. Discuss Integrated Solid Waste Management for increased efficiency in Africa

(15 marks)

7. Assess Impacts of Climate Change on Water Resources in Narok County

(15 marks)

8. Analyze management and remediation of polluted soils in Kenya

(15 marks)

9. Discuss air pollution policies and programmes for enhanced air quality in Africa

(15 marks)

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