



UNIVERSITY EXAMINATIONS

FIRST SEMESTER 2025/2026 ACADEMIC YEAR

**FOURTH YEAR EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN GEOGRAPHY**

**GEOG 411: ENVIRONMENTAL MANAGEMENT PRINCIPLES AND
PRACTICES**

STREAM: R

TIME: 2 HRS

DAY: FRIDAY [11.30 – 13.30 P.M]

DATE: 30/01/2026

THIS QUESTION PAPER CONSISTS OF TWO (2) PAGES

PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.

INSTRUCTIONS

- Answer Question **ONE** and ANY OTHER **TWO** questions
- Question **ONE** is compulsory.

QUESTION ONE (30 MARKS)

- a) What is climate change? Give **five** examples to explain. (5 Marks)
- b) Discuss how climate change affect farmers in Kenya. Give **two** examples to explain your answer (5 Marks)
- c) Examine two impacts of resource exploitation on the ecosystems. (5 Marks)
- d) Highlight two strategies which can be implemented to foster environmental awareness and empathy (5 Marks)
- e) Briefly discuss **five** (5) of the 7Rs for environmental waste management practices. (10 Marks)

QUESTION TWO (20 MARKS)

To ensure that an organization's environmental goals are fulfilled, environmental management provides several processes which are essential for achieving sustainability. Briefly discuss any **four** (4) of such.

(20 Marks)

QUESTION THREE (20 MARKS)

- a) Discuss briefly **two** (2) basic principles of environmental management. (10 Marks)
- b) Describe **two** (2) cases where Kenya government has successfully applied the polluter pays principle. (10 Marks)

QUESTION FOUR (20 MARKS)

Citing applicable examples from Kenya, discuss any **two** (2) ethical perspectives which should be applied in environmental decision-making. (20 Marks)

QUESTION FIVE (20 MARKS)

Discus any **four** (4) roles of Indigenous Knowledge Systems (IKS) in Climate Adaptation. (20 Marks)