



UNIVERSITY EXAMINATIONS

SECOND SEMESTER 2023/2024 ACADEMIC YEAR

**THIRD YEAR EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN (GEOGRAPHY)**

GEOG 322: CLIMATE CHANGE AND THE ENVIRONMENT

STREAM: R

TIME: 2 HRS

DAY: MONDAY [8.30A.M – 10.30A.M] DATE: 15/04/2024

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 (30 MARKS)

- a) Define the following terms:
- i. Ozone layer depletion **(2 Marks)**
 - ii. Carbon sink **(2 Marks)**
 - iii. Mitigation **(2 Marks)**
- b) Explain The Clean Development Mechanism (CDM) as defined in Article 12 of the Kyoto Protocol **(4 Marks)**
- c) Differentiate between adaptation and mitigation as it relates to climate change **(8 Marks)**
- d) Briefly discuss **six** impacts of Climate change on human health **(12 Marks)**

QUESTION TWO (20 MARKS)

- a) Discuss any **three** effects of climate change on ecosystems **(6 Marks)**
- b) Explain the major causes of global warming **(14 Marks)**

QUESTION THREE (20 MARKS)

- a) Describe the various ways of combating desertification in Africa **(10 Marks)**
- b) Discuss **five** Major challenges and technical issues facing **REDD+** in Africa **(10 Marks)**

QUESTION FOUR (20 MARKS)

Discuss Kenya's national climate change legal and policy framework **(20 Marks)**

QUESTION FIVE (20 MARKS)

Discuss the key areas of the Paris Agreement 2015 suggested that are necessary to combat climate change **(20 Marks)**

