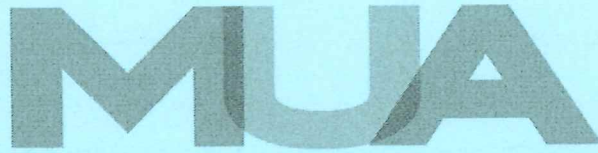


The
Management
University
of Africa



Sponsored by the Kenya Institute of Management

UNDERGRADUATE UNIVERSITY EXAMINATIONS
SCHOOL OF MANAGEMENT AND LEADERSHIP
DEGREE OF BACHELOR OF ARTS IN DEVELOPMENT STUDIES

ENM 403: VULNERABILITY TO ENVIRONMENTAL CHANGE

DATE: 3RD DECEMBER 2024

DURATION: 2 HOURS

MAXIMUM MARKS: 70

INSTRUCTIONS:

1. Write your registration number on the answer booklet.
2. **DO NOT** write on this question paper.
3. This paper contains **SIX (6)** questions.
4. Question **ONE** is compulsory.
5. Answer any other **THREE** questions.
6. Question **ONE** carries **25 MARKS** and the rest carry **15 MARKS** each.
7. Write all your answers in the Examination answer booklet provided.

QUESTION ONE

Read the Case Study below carefully and answer the questions that follow:

UNDERSTANDING VULNERABILITY TO CLIMATE CHANGE

People all over the world are being confronted with the reality of climate change. For some, climate change is simply a matter of changes in weather patterns: things are a bit hotter, a bit colder, a bit more uncertain. For others, it is already a matter of survival: too little water or too much, not enough food to go around, risks to safety and security. The real injustice of climate change is that those who have contributed least to its causes are suffering most from its effects. In the international climate change negotiations, some progress has been made towards recognition of this global injustice.

The global community is beginning to grasp the scale of funding needed to support adaptation in developing countries, and there is some agreement that funding and support should be targeted to those countries, communities and people who need it most. The extent of adaptation needs is typically associated with the degree of vulnerability to climate change. At the international level, discussions tend to focus on identification of the most vulnerable countries. However, experience has shown that vulnerability to climate change differs within countries, within communities and even within households. Current approaches to assessing vulnerability for the purposes of allocating adaptation funds do not capture these differences, and therefore risk excluding the very people that adaptation resources must benefit if they are to be used effectively.

Three case studies provide snapshots of the realities of vulnerable communities in Vietnam, Peru and Ghana that are already feeling the effects of climate change. The case studies provide context for a series of reflections on vulnerability, which draw on the case studies as well as on CARE's broader experience in analyzing vulnerability to climate change with communities around the world, using our Climate Vulnerability and Capacity Analysis (CVCA) methodology.

Required:

- a) In reference to the case study, experience has shown that vulnerability to climate change differs within countries, within communities and even within households. Examine major factors determining ability to act on adaptation to climate change. (15 marks)
- b) From the case study, people all over the world are being confronted with the reality of climate change. Assess the effects of climate change (10 marks)

QUESTION TWO

- a) Explain the parties involved in the assessment of climate change Vulnerability. (5 marks)
- b) With relevant examples describe how climate change has increased the incidences of infectious diseases. (10 marks)

QUESTION THREE

- a) Differentiate between:
 - i) Global warming and Early Warning System (5 Marks)
 - ii) Carbon sink and Emissions; (5 Marks)
- a) It is important for the health sector to be involved in climate mitigation activities. Elaborate the role of the health sector in climate change mitigation. (5 marks)

QUESTION FOUR

- a) Describe the approaches to climate change vulnerability. (5 marks)
- b) Explain how people can reduce the risks of climate change. (10 marks)

QUESTION FIVE

- a) Discuss the four dimensions of Vulnerability in climate change (10 marks)
- b) Differentiate between climate change and climate variability. (5 Marks)

QUESTION SIX

- a) Discuss the impact of climate variability on rural livelihoods (5 Marks)
- b) Over the last several decades the global climate has been changing. Discuss the impact climate change on health and safety. (10 marks)