



MACHAKOS UNIVERSITY

University Examinations For 2021/2022 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

MASTER OF ENVIRONMENTAL SCIENCE

ENS 803: CLIMATE CHANGE MANAGEMENT

DATE:

TIME:

INSTRUCTIONS:

Answer question **ONE** and any other **THREE** questions

Use appropriate illustrations where necessary

QUESTION ONE (15 MARKS)

Discuss the differences, similarities and complementarities between adaptation and mitigation as climate change response strategies

QUESTION TWO (15 MARKS)

Discuss how climate change impacts livelihood aspects leading to increased incidences of poverty

QUESTION THREE (15 MARKS)

Compare and contrast the Clean Development Mechanism (CDM) and the Voluntary Carbon Market (VCM)

QUESTION FOUR (15 MARKS)

Using illustrations, discuss the pathways by which climate change affects human health.

Question Five (15 Marks)

Discuss the characteristics of each of the five Shared Socioeconomic Pathways (SSPs) scenarios highlighted in IPCC's Sixth Assessment Report.