



# MACHAKOS UNIVERSITY

University Examinations For 2023/2024 Academic Year

SCHOOL OF AGRICULTURE, ENVIRONMENT AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENTAL SCIENCES

THIRD YEAR FIRST SEMESTER EXAMINATIONS FOR

BACHELOR OF SCIENCE IN COMMUNITY RESOURCE MANAGEMENT

BACHELOR OF ENVIRONMENTAL STUDIES AND COMMUNITY DEVELOPMENT

**ECD 306: HUMAN SETTLEMENTS AND SUSTAINABLE DEVELOPMENT**

**DATE:** \_\_\_\_\_

**TIME:** \_\_\_\_\_

**INSTRUCTIONS: Answer question ONE and any other TWO**

## QUESTION ONE (COMPULSORY) (30 MARKS)

- Explain five types of rural settlements in Kenya. (10 marks)
- Explain the importance of the sustainable development goal for cities. (10 marks)
- Discuss the factors affecting location of human settlements in Kenya. (10 marks)

## QUESTION TWO (20 MARKS)

Discuss the effects of urbanization on environment in Kenya.

## QUESTION THREE (20 MARKS)

Discuss the historical background of first human settlements.

## QUESTION FOUR (20 MARKS)

Assuming that you are a human settlements officer in Kenya, discuss the various effects of climate change on physical infrastructure that should be considered in an urban human settlements development plan.

## QUESTION FIVE (20 MARKS)

Analyze the factors that cause urban heat island phenomenon and its effect on humans.