



# MACHAKOS UNIVERSITY

University Examinations For 2023/2024 Academic Year

**SCHOOL OF AGRICULTURE, ENVIRONMENT AND HEALTH SCIENCES**

**DEPARTMENT OF ENVIRONMENTAL SCIENCES**

**FOURTH YEAR SECOND SEMESTER EXAMINATION FOR  
BACHELOR OF SCIENCE (COMMUNITY RESOURCE MANAGEMENT)  
HCM 408: COMMUNITY FOOD SECURITY AND LIVELIHOODS**

**DATE:**

**TIME:**

**Instructions: Answer question ONE and any other TWO questions**

## **QUESTION ONE (30 MARKS)**

a) Explain the following:

- i. Food security (2 marks)
- ii. Sustainable livelihoods (2 marks)
- iii. Vulnerability (2 marks)
- iv. Livelihood framework (2 marks)

b) As a consultant hired to assess community food security in your county, discuss the key components you would consider in the assessment (12 marks)

c) Explain the main types of assets that influence sustainability of community livelihoods (10 marks)

## **QUESTION TWO (20 MARKS)**

a) Explain the key information required to determine food insecurity in a community (10 marks)

b) Explain the key objectives of a community livelihood assessment (10 marks)

## **QUESTION THREE (20 MARKS)**

Discuss the main linkages between different Sustainable Development Goals (SDGs) and community food security

## **QUESTION FOUR (20 MARKS)**

Discuss the main components of the sustainable livelihood framework and their relevance when looking at the complexity of people's livelihoods

## **QUESTION FIVE (20 MARKS)**

Discuss the measures you would recommend to ensure sustainable community food security in the drylands in Kenya