



# MACHAKOS UNIVERSITY

University Examinations for 2022/2023 Academic Year

SCHOOL OF AGRICULTURE, ENVIRONMENT AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (COMMUNITY RESOURCE MANAGEMENT)

HCM 408: COMMUNITY FOOD SECURITY AND LIVELIHOODS

DATE:

TIME:

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

## QUESTION ONE (COMPULSORY)(30 MARKS)

- a) Explain the following:
- i. Food security (2 marks)
  - ii. Livelihood Systems (2 marks)
  - iii. Coping strategies (2 marks)
  - iv. Vulnerability (2 marks)
  - v. Sustainable livelihood framework (2 marks)
- b) Explain the potential impacts of livelihood assets on households' livelihood security (10 marks)
- c) Explain the potential impacts of climate change on community food security in Kenya (10 marks)

## QUESTION TWO (20 MARKS)

- a) Explain the main dimensions of community food security (10 marks)
- b) Explain the key aims of a community livelihood assessment (10 marks)

## QUESTION THREE (20 MARKS)

“Food security is indeed paramount for meeting the 2015–2030 UN Sustainable Development Goals”. Discuss this statement using suitable examples

## QUESTION FOUR (20 MARKS)

Discuss the measures you would recommend to ensure sustainable food security and livelihoods in your county

## QUESTION FIVE (20 MARKS)

Discuss the framework that can be used to assess livelihoods security in your county