

UGANDA MARTYRS



UNIVERSITY

**NGETTA CAMPUS
FACULTY OF AGRICULTURE
CERTIFICATE IN AGRICULTURE
CAG2101: INTRODUCTION TO ORGANIC AGRICULTURE**

**FINAL ASSESSMENT
ACADEMIC YEAR 2023/2024 SEMESTER ONE
CAP I**

DATE: 6th/DEC/2023

TIME ALLOWED: 3 HOURS (9:00am-12:00pm)

INSTRUCTIONS:

- *Attempt any four questions of choice*
 - *All questions carry equal marks*
 - *Start every question on a new page*
 - *Do not write anything on the question paper*
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Question 1

Genetically Modified Organism (GMO) is not recommended in organic farming. However its increase in the conventional farming system is confusing farmers. Briefly explain the recommendations you would give to farmers to reduce the prevalence of GMO in their routine farming **(25 marks)**

Question Two

- a) Discuss crop rotation and its relevance in organic farming **(15 marks)**
- b) What factors would you consider when selecting crop for rotation **(10 marks)**

Question Three

- a) Organic agriculture has a operating core principles, Explain any five principles of organic agriculture you know **(10 marks)**
- b) What instructions would you put forward for organic agriculture, techniques to be ecologically sustainable? **(15 marks)**

Question Four

- a) Describe the steps a farmer would follow to conserve a farm using fanya-juu terraces **(15 marks)**
- b) Identify the key areas where fanya-juu terraces can be applied **(10 marks)**

Question Five

- a) Explain the following terminologies as used in organic farming
 - i) Green manuring **(2 mark)**
 - ii) Organic pest management **(2 marks)**
 - iii) Compositing **(2 marks)**
 - iv) Mulching **(2 marks)**
 - v) Intercropping **(2 marks)**
- b) Why should a farmer prefer to use organic mulch instead of inorganic mulch? **(15 marks)**

Question Six

- a) Describe the advantages enjoyed in organic farming compared to other conventional farming systems **(15 marks)**
- b) What do you think are the reasons to as why organic farming not popularly implemented in Uganda today **(10 marks)**

Question Seven

- a) Organic farming is done in consideration of different measures on the farm. Describe the analysis you would carry out on the farm during organic farming **(15 marks)**
- b) What challenges would organic farmer meet in the process of making the analysis? **(10 marks)**

Question Eight

Botanical pesticides or botanicals are known to be effective in pests control in organic farming. Identify these pesticides and explain how they work in pest control, **(25 marks)**

THE END