

UGANDA MARTYRS UNIVERSITY

FACULTY OF AGRICULTURE

Bachelor of Science in Organic Agriculture (DLP)

Year 2 Special and Supplementary Examination: Academic Year 2014/2015

Module OA/07: Organic Farm planning

September 2015

INSTRUCTIONS:

- Read and understand the question before answering
- Select and answer any **Four Questions**
- Start each answer on a separate answer sheet
- You are allowed **Three Hours** for the examination

Question; 1 : Following the recent long draught, peter and his family were badly hit by famine and are now contemplating to convert to organic as a way to avoid effects of draught in future. This hard working family of 4 people depends entirely on their 6 acre piece of land, which is only 19 km from Kampala city center. .

- a) In your opinion what might have caused this small family with a big piece of land to suffer intensely with famine?
- b) What would you advise peter to include on his organic conversion plan in order to achieve sustainable production and self sufficiency. .

Question 2; An organic farm plan is made up of 9 major sections which guide the producer to abide with the organic standards, and the certifier to check the compliance with the standards by the producer.

- Mention and briefly describe 4 sections of an organic farm plan, considering their importance on the total farm plan.

Question 3: Explain 4 organic principles that are crucial to organic farm planning and management.

Question 4: In organic farming, pests and disease management is an issue which requires attention right from the planning stage. Precisely describe how organic farm planning should tackle this important issue

Question 5: Using a clear example, explain how you would prepare an enterprise budget for a farmer planning to rear 100 chickens on a semintensive system.

Question 6: On an A4 piece of paper, draw a farm map / farm lay out for a family of 6 people living in the Kabale hills, planning to use their 3 acre piece of land to attain both food and income objectives.

Note: Their staple food includes millet and bananas. Majority of families keep dairy cattle on a zero grazing system and pigs are a taboo.

7: Discuss what a commercial organic farmer should consider on the farm plan in order to successfully access and sustain the organic market?

Question 8: In the recent past, the government of Uganda upgraded the road stretch from Kayabwe town to Nkozi main campus, past equator valley farm.

- a) Explain the relationship between this new infrastructure and the farm.
- b) How does it influence the farm layout in this area?