

Uganda Martyrs University
Faculty of Agriculture

Bachelors of Science in Agriculture Year Two
Bachelors of Science in Organic Agriculture Year One

Supplementary / Special Examinations 2017-2018

Module AG/05 & OA/03: Organic Farming

2:00pm to 5:00pm

23rd July 2018

Instructions:

- Read and understand the questions before answering
 - Select and answer any **Four (4) Questions**
 - Start each answer on a separate answer sheet
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1. Give your argument whether organic farming can increase production of health food that feed the world population. (25 marks)
2. Describe the importance of the following practices in an organic farming:
 - (a) Crop rotation (6 marks)
 - (b) Cover cropping (6 marks)
 - (c) Livestock keeping on an organic farm (6 marks)
 - (d) Diversification and integration (7 marks)
3. What reasons are hindering farmers to access the good market for organic banana? (25 marks)
4. Give reasons why the following practices are important in organic farming:
 - (a) Soil and water conservation. (7 marks)
 - (b) Agro forestry system. (6 marks)
 - (c) Composting (6 marks)
 - (d) Pruning (6 marks)
5. (a) What are the bottlenecks hindering the development of organic marketing system? (10 marks)
(b) Propose how farmers can take part in solving the bottlenecks in (a) above. (15 marks)
6. (a) In your view why should certification process be emphasized in the organic marketing system? (5 marks)

- (b) Discuss at least 5 challenges which are hindering development of organic certification in Africa. (15 marks)
7. (i) Give an account of how the following are important in organic livestock management: (10 marks)
- (a) Observation skills
 - (b) Hygiene and good feeding
 - (c) Rotation grazing system
 - (d) Zero grazing
- (ii) Give explanation how you would differentiate a health animal from sick ones. (15 marks)
8. Give an account how the quality of tropical fruits in Uganda is down graded. (25 marks)