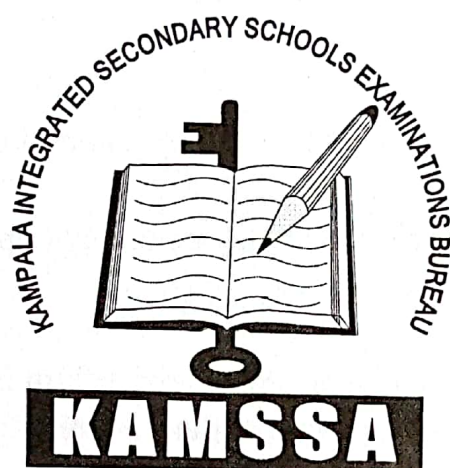


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AGRICULTURE
Paper 1
July - August 2024
2½ hours



KAMSSA JOINT MOCK EXAMINATIONS

Uganda Certificate of Education

AGRICULTURE

Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

- This paper consists of **six** examination items. It has two sections; **A** and **B**.
- Section **A** has **two** compulsory items.
- Section **B** has **two** parts; **I** and **II**. Answer **one** item from each part.
- Answer **four** examination items in all.
- Any additional item(s) answered will not be scored.
- All answers must be written in the Answer booklet(s) provided.

SECTION A
SOIL SCIENCE AND VALUE ADDITION.

Answer all items in this section.

Item 1

Farmers in Mubende district are good at growing annual crops in 2010 they developed an association called Mubende farmers group so that they can easily acquire land and market for their produces. In 2020 they made a lot of profits from their ground nut sales and they bought 50 acres of land where they can-do large-scale production. They realized that the land they bought was not good enough for crop production and for better yields and the land they bought was steep sloping.

Task.

- a. Advise the Mubende farmers group on how they can improve on the productivity of their land for crop production. (12 scores)
- b. How can they control the effects which may be brought up by heavy rains. (08 scores)

Item 2

Students of Bukandra S.S visited madam Nabatanzi's farm in Mpigi district. This lady owns 10 hectares of land on which she practices floriculture, Apiculture, Agriculture, livestock rearing and banana plantation farming. The students appreciated the way how the farm land was organized. She told them, all agronomic practices which are done on her farm are organic and uses a symbiotic model of farming. I.e., dung from livestock is used in garden and pasture fed to livestock. Students observed that the materials from the kitchen and dung used were well decomposed.

Task

- a. How do you think madam Nabatanzi makes the kitchen materials ready for banana plantation use. (14 scores)
- b. Why do you think she is using organic materials on her farm? (06 scores)

SECTION B

This section has two parts I and II
PART I: ANIMAL PRODUCTION.

Answer one item from this part.

Item 3

You are a newly appointed agriculture Extension worker in Bulisa-sub county. You visited Mr. Abigaba, a poultry farm. Mr. Abigaba has over 8000-layer birds in a place that can accommodate only 600 birds. These birds have all kinds of bad behaviors which stress him. He turned his grand mother's 6 bed roomed house he had inherited into a poultry house but the place seem not conducive for birds and Mr. Abigaba is planning to construct a modern poultry structure though he has no idea of how it looks like.

Task

- a. Make a write up advising Mr. Abigaba the kinds of structures that should be constructed for his laying birds. (10 scores)
- b. How can he manage those birds in order to avoid bad habits and produce more eggs for sale. (10 scores)

Item 4

Farmers in Nyamitanya villages started up a commercial market and divided it into different sections. Behind the market an abattoir was constructed. When the health officials inspected the place, they realized that the place was in poor hygiene conditions. The place had no waste disposal and blood was flowing around. The men that slaughter the animals are putting on dirty overall stained with blood, others were coughing with long finger nails which were dirty, the inspectors realized that the veterinary doctors were corrupt and was not doing his role. He was passing out meat without checking its conditions putting the lives of consumers in danger. The inspectors closed the market and the abattoir.

Task

- a. You are required to make a write-up to the people of Nyamitanya village advising them on what they should do to ensure that the market and the abattoir are re-opened. (16 scores)
- b. What qualities should a good meat have for consumption? (04 scores)

PART II: CROP PRODUCTION.

Answer **one** item from this part

Item 5

Mr. Okwir Godfrey a farmer in Busia district has been growing vegetables for the last 10 years. However, his yields per hectare have remained very low compared to other people in the same district. Okwir planted the cabbage seed directly into the main garden without following the direct procedure of growing them. When Mr. Opio visited his garden told him to follow the better management skills in order to produce better quality products for the consumers and compete for better with other producers. -

Task

Advise Mr. Okwir on how he can produce high yields from his cabbage garden for the consumers. (20 scores)

Item 6

People in Kabale, Kisoro and Fort portal they grow root tubers as one of their major cash crops. They produced the best Irish potatoes which are used in making of chips in different restaurants. Mr. Odeke visited one of his friends in Kisoro and admired the quality of the Irish potatoes. His friend gave him some so that he can feed his family, however Mr. Odeke just planted them. On germination most of the potatoes did not germinate because they were not meant for planting.

Task

- a. As an agriculture student, what advise would you give to Mr. Odeke while selecting the Irish potato seed tubers for planting. (06 scores)
- b. How can Mr. Odeke produce high quality yields on the selected tubers after planting them. (14 scores)

END