



**KAMSSA LOWER SECONDARY EDUCATION EXAMINATIONS
PRINCIPLES AND PRACTICES OF AGRICULTURE
SENIOR TWO
END OF YEAR 2022
2 Hours**

INSTRUCTIONS:

Answer all the question in section A in the spaces provided and any one from B.

SECTION A

- 1. Majority of Ugandans practices Agriculture on small scale farms, but their yields are ever low. As a student of agriculture what could be the cause? (5 marks)

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- 2. The picture in the figure below shows the nature of some parts of Uganda. Study the photograph and attempt the activities that follows.



(a) As a crop scientist in that area, of what benefit is that figure to Ugandans. (4 marks)

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(b) Point out some plant species that make up a picture above. (4 marks)

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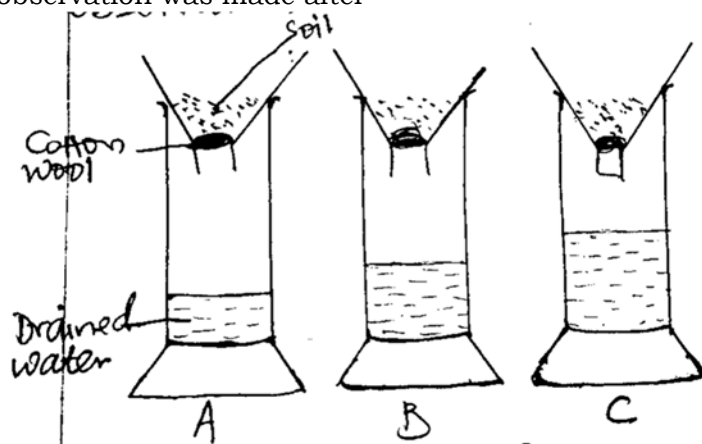
3. A farmer carried out an experiment about the average of different soil compositions and found out that a mount of air = 25%, water =25%, mineral matter = 45% and organic matter 5%.

(a) Represent your calculations on the pie-chart (09 marks)

4. State the reasons which make small scale farming common to majority of Ugandans (4 marks)

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5. The diagram below shows an experiment set up using different soil types A, B and C. the observation was made after (5 minutes)



(a) State what the experiment was designed to study. (1 mark)

(b) Identify the soil types A, B and C used to carry out the experiment above (3 marks)

A

B

C

(c) State the properties of soil C identified (b) above (2 marks)

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6. The pictures in the figure below are annual plants commonly grown in Uganda.



X



Y

(a). As a young farmer, why do you include plant X in your planting seasons. (Is care)

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b). Show the differences in their structures. (4 marks)

Plant X	Plant Y

7. The picture in the figure below shows some of the animals reared by farmers in Uganda. Study it and answer the activities that follows,



(i) State the common products farmer get from those animals (4 marks)

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(ii) Of what benefit are those animals in the picture above to the farmers (4 marks)

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8. Farmers always keep records a bout their animals and the form in general. In your opinion, why do they keep them. (3 marks)

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9. State the items used to describe the following livestock of different species.

(i) Young one of a sheep (1 mark)

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(ii) Mature female goat (1 mark)

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(iii) Castrated cock (1 mark)

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(iv) Mature male pig (1 mark)

10. Explain the reasons to show how chicken rearing is an important aspect to the farmers (4 marks)

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SECTION B.

11. Local farmers usually ignore safety and health as applied to agriculture however some have learned from experience the fact that they have lost parts of the body like fingers, legs, obtained wounds and lost eyes over ignoring the standards. This has exposed the victims of time has been wasted nursing wounds. Some have even abandoned going back to the fields and as result of death, some families have been rendered vulnerable limiting protection.

(a) As a student of agriculture, identify and suggest these standards for safety of public members and the precautions members should accept to a void hurts and deaths. (10 marks).

12. Mr. Kato is interested in starting a crop project (vegetable growing). He is equipped with a huge piece of land which he is confused a bout its ability to support plant growth. As a student of S.2 who has knowledge of soil science

(a) How could he encourage the availability of soil living organisms in his field? (5 marks)

(b) How would the increase of these organisms be important (5 marks)?

END