

Name.....Signature.....



BUSIIKA MUSLIM SECONDARY SCHOOL
UGANDA CERTIFICATE OF LOWER SECONDARY EDUCATION
END OF YEAR ASSESSMENT 2023
PRINCIPLES AND PRACTICES OF AGRICULTURE
(THEORY)

S.3

Paper 1

2HOURS

INSTRUCTIONS FOR THE CANDIDATE

1. Answer all questions in section **A** , **B** and any **two** questions from **C**

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Part	Question	Marks	Examiner's Signature & No
A	No. 1-5		
B	No.		
	No.		
	No.		
	No.		
TOTAL			



INSPIRE TO EXCEL

SECTION A

1. The picture below shows a structure of legume plant.
Study it and answer the activities that follow.



- a). Identify the parts. (04 marks)

A.....
B.....
C.....
D.....

- b). Discuss the function of each part labelled.

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.....(04 marks)

2. In your community, the following materials are available to build the walls and roof of an animal house. Which combination of two building materials would you use in Kabale to give the walls that resistance to high winds and to keep the house cool in hot weather?

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.....(1 Mark (Low))



3. A farmer in the growing cycle determines the point to harvest vegetables for processing. You have visited a vegetable garden and the farmer is seeking advice on when to start this important activity. Suggest two factors the farmer should consider to start harvesting.

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(1 Mark (Medium))

4. As part of cereal growing involves harvesting and storage such granary.



b) Describe the qualities of a good crop store produce. (04 marks)

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b). Suggest two measures of handling cereals at harvest and post-harvest.
 (02 marks)

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c). State the possible methods of testing moisture content in cereals.(04 marks)

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SECTION B

5.a) The table below shows production records from a field in a garden that grew rice as a single, continuous crop (2.18 t is the average yield).

Year	Rice yield per year /t
1	3.1
2	2.5
3	2.6
4	1.5
5	1.2

a).Suggest two ways how the cereal farmers would have the highest average yield.

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.....(2 Marks)

b) After harvest the cereals are stored in silos/granaries. What two conditions must be met for the cereals to be stored in a dry state until the market is available? **(2 Marks)**

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6. An important part of good stockmanship is noticing signs that animals may be unwell. The diagram shows a farm animal with signs of ill-health. Write the key ideas you would give to the owner of calf with such signs of ill-health.



b) State the signs of ill health in animals **(2 Marks)**

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SECTION C

Attempt any two questions.

7. A cereal farmer harvested a lot of grain products (rice and maize). The farmer wanted to keep the grains for a long time in a store/brick and mortar granary located in a remote area. The location is far away from the national electric grid. Further grains normally get humid and mouldy. This means the grains need to be well dried before storage and the subsequent temperature should be 50–60 degree Celsius. (picture of grass thatched granary as a place holder)



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a)How can you help the farmer have high quality grain products for sale?

(10 Marks)

8. In your community domestic animal rearing is done by most households. A youth group has been given an opportunity to start an activity to get them out of poverty.

From your knowledge of different livestock, make guidelines/leaflet/poster they can follow to start and establish a farm enterprise of one selected domestic animal.

(10 Marks)

9.Mr Luyinda is interested in starting a crop project (Vegetable growing).He is equipped with a huge piece of land which he is confused about 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?

(05 marks)

b).How would the increase of these organisms be important.(05 marks)



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10). Local farmers usually ignore safety and health as applied to Agriculture however some have learned from experience the fact that have lost parts of the body like legs, fingers, obtained wounds and lost eyes over ignoring the standards. This has exposed the victims of time has been wasted nursing wounds. Some have been rendered vulnerable limiting protection.



(a).As a student of Agriculture, identify and suggest these standards of safety of public members and precaution members should accept to avoid hurts and death. (05 marks)

b). Find out which members of the community may have suffered most from the effects of agro chemicals? Why. (05 marks)

******END******



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