

**Candidate's Name.....**

**Signature.....**

**527/1**

**AGRICULTURE**

**Paper 1**

**2024**

**2 hrs: 30mins**



**SHAPTA JOINT ASSESSMENT BOARD 2024**

**Uganda Certificate of Education**

**AGRICULTURE**

**Paper 1**

**2HOURS: 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

**Item 1.**

Based on your knowledge of soil science, make a detailed writing describing how you can help Mr. Mutebi to investigate the type of crop his land can support and why you think it is important.





In the struggle to ensure food security by the government of Uganda. Agricultural institutions including NARO have embarked on the task of providing Agricultural inputs such as tools, fertilizers and pesticides. This has been spearheaded by the continuous low production as a result of the low soil fertility, pests and diseases which affect farmer's yield. However, many farmers especially in remote areas have been forward storing fertilizers in stores used to keep harvested produce, some keep the pesticides in soda bottles, and any they don't use any protective gears when applying the fertilizers and pesticides. In addition, according to the report by the extension officer, many farmers were found using the tools to perform tasks that they were not designed for and neglecting the cleaning and repairing of the damaged ones.

In your opinion, advise these farmers on the proper use and the safety precautions they should take when using the different inputs.



SHAPTA





#### **Item 4.**

Smallholder dairy farmers in your community graze their animals on natural grasslands. The animals are seen licking the red soil of anthills found in the grassland areas, take a lot of time to mature or reproduce and have protruding bones. Fortunately, the government has introduced to them quality livestock feeds including cotton seed cake, soybean meal, maize bran, rice bran, minerals such as salt and they are advised how they can formulate rations.

#### **TASK**

Talk to these farmers highlighting the guidelines they should consider when mixing these feeds and what would affect the utilization of the rations by their animals.

### **PART II: CROP PRODCUTION**

Answer **one** item from this part.

#### **Item 5.**

In Nakaseke village, farmers were provided with potato vines, cassava cuttings and a few improved tree seedlings. However, due to their ignorance some did not bother to use them in their gardens. Up to now, these farmers still complain about the low yield, prolonged maturity rates and low quality of their crops. And others have persistently continued to use their locally produced seeds in planting and other planting materials thus continuous low production.

#### **TASK**

How would you help the farmer to identify the method of crop multiplication that they were introduced to, how they will benefit and the challenges they expect with the newly introduced technology.

#### **Item 6.**

In Uganda a wide variety of vegetables are grown. Some have been grown for a long time and many more have been introduced in the country in recent years. They provide both nutritional and financial benefits to humans. However, many farmers incur a lot of challenges in their vegetable production enterprises right

from the choice of seeds, the infertile soils used, the poor farming methods used which leads to low- and poor-quality yields realized.

### TASK

How would you advise these farmers?



**END**