

Name:.....

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**S.2 END OF YEAR EXAMINATIONS.
PRINCIPLES AND PRACTICES OF AGRICULTURE
(THEORY)
PAPER 1
Nov .2022**

TIME ALLOWED: 1 HOUR: 20 MIN.

INSTRUCTIONS TO STUDENTS:

- The paper has 4 items. All items are compulsory.
- Part I is three Short Response Items.
- Part II is one Extended Response Item.

| For Examiners' Use Only | | |
|-------------------------|----------|-------|
| Part | Question | Marks |
| I | No.1 | |
| | No.2 | |
| | No.3 | |
| II | No.4 | |
| Total | | |

PART I. (09 scores)

SHORT RESPONSE ITEMS.

1. When you visit a garden and look carefully at the soil, you will observe some of the different materials or components. Others cannot be easily seen. As a student of agriculture, you might have noticed that some soils are dark coloured, likely caused by the presence of organic matter which is formed when plants and animals die and decay. What do you think are the importance of these decayed plants and animals materials in the soil? (03 scores)

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2. Farm enterprises are interrelated and they interact in a particular way to form farming systems. Uganda has different climatic and soil conditions in the various regions. These conditions impact on the animals kept and crops grown in a particular area. In your own view, state any six major farming systems practiced in Uganda. (03 scores)

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3. 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. Study the pictures below and attempt the task that follows.



Variety A



Variety B

As an agronomist, what do you think determines the choice of a farmer in selecting a given vegetable variety to grow? (03 scores)

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PART II. (09 scores)

EXTENDED RESPONSE ITEM.

4. Recently, majority of farmers in Kitgum district have grown maize, sorghum and millet on a large scale in an attempt to fight food (grains) shortages experienced in the months of June, July and August every year. However, there has been variation in the growth, development and production of these crops. Most farmers experienced losses due to low crop yields while others had good harvest. A team of agricultural extension officers were dispatched from the district to various sub counties to identify what could have influenced the trend in the production by the district commercial officer. According to their findings, most farmers suggested that their crops, land and rainfall pattern was bewitched by some individuals in their neighbourhood that resulted into low crop productivity.



Task

You have been tasked by the district commercial officer to help farmers understand what could have influenced the trend in cereal production. Design a sensitization message to farmers to help them understand what could have caused the variations in the growth, development and production of the crops they planted.

END