

CANDIDATE'S NAME:.....

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527/1

AGRICULTURE  
(PAPER 1)



## APEX EXAMINATION COUNCIL

Uganda Certificate of Education

S.3 End of Term 1 Examination 2025

AGRICULTURE 527/1

Paper 1

2 hours

- Attempt **all** the questions

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**TURN OVER**

**SECTION A**  
**VALUE ADDITION**

Item 1

Mukasa, a cattle farmer in Kayunga sub country is a happy and respected farmer. He lives with his family on the farm where they also grow some ground nuts. He sells milk full of flies and hairs in Kayunga town. Last week the milking can on the farm got damaged and is leaking. They are confused about what to do!! The roof of calf pen was blown away yesterday by strong wind.

Mukasa would like to buy more land for grazing but lacks enough money. He also owns many fragmented pieces of land in other sub counties. The ground nuts on the farm are mixed with dry cow dung. Last week he sold his ground nuts to a hotel in Kayunga town, the clients complained about eating small stones in the ground nuts sauce.

Due to the need to get more profits, Mukasa has decided to transport his ground nuts to Mukono. He transports them in a dirty container. In the market, yogurt costs ugshs. 10,000 per litre but Mukasa sells raw milk at ugshs. 2000 per litre and other farmers are laughing at him. He also feeds his animals on whole grains of maize which are difficult to eat.

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Task:

Prepare an advisory message for Mukasa on how to improve production on his farm.

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**TURN OVER**

## **SECTION B**

### **PART I**

#### **ANIMAL PRODUCTION**

##### **Item 2**

Paul is a goat farmer in Mpalo parish. He rears local breeds of goats for meat production. His goats were observed resting under the mango tree shade. Some of the goats have nasal discharges, other goats were seen scratching their ears. In the morning, dung containing worms was seen in the compound.

Paul has decided to make a shelter for the goats. He plans to construct it on the ground level, make its floor with Marram soil and cover its walls with good bricks and plaster.

Paul's farm is also located near the game park full of leopards. On the farm, there is a pond surrounded by bushes where the goats drink water from. The goats also enjoy banana peelings every evening in a feed trough full of blue-green algae. Last weekend, Paul decided to make a party for his friends, he slaughtered a two months old goat. The goat was slaughtered from the banana plantation near a rubbish pit. He feeds his goats only on elephant grass which is also very long and the goats struggle to eat it.

Task:

Guide Paul on how to manage his goats for increased production of quality meat.

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### **PART II**

#### **CROP PRODUCTION**

##### **Item 3**

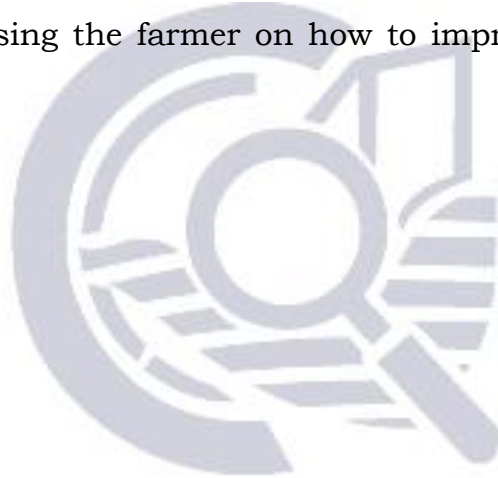
a farmer signed a contract with Serena Hotel to supply freshly harvested beans at an interval of 80 days. He obtained the planting materials from the neighbour. The neighbour had stored them for about 2 years. The variety takes over 6 months to mature. The seeds that he obtained had holes in them and some were wrinkled.

The farmer planted the seeds in a seed bed he prepared hurriedly in one cultivation, the soil was lacking organic matter. After the expected days of germination, many gaps were seen where he planted. Small insects were seen on the leaves. Some bean plants had dark and Powderly lesions on the leaves and stems.

The farmer harvested the beans when they were very dry. When the District Agricultural Officer visited the farmer's garden, he observed that the beans were too closely spaced, he also saw rills of water ways in the garden.

Task:

Prepare a poster, advising the farmer on how to improve bean production for increased profitability.



**END**

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