

Students Name:

School Name:..... Index Number

527/2

AGRICULTURE

Paper 2

(Practical)

Jul./Aug. 2025

2 hours



HES MOCK EXAMINATIONS 2025

UGANDA CERTIFICATE OF EDUCATION

AGRICULTURE

(PRACTICAL)

PAPER 2

2 HOURS

INSTRUCTIONS

- This paper consists of two compulsory examination items.
- Write your answers in the space provided using blue or black ink.

ITEM 1.

Farmers in Bugweri sub region mainly deal in rice growing. These farmers come from two sub counties **Nakifa** and **Kifampa** that have different types of soil. Through NAADS program, the government has provided these people with two rice varieties. One of the varieties “**Quera**” is an upland variety which performs well in soils with low water content while variety “**Rera**” is paddy rice that grows well in places with a lot of water content. These farmers are not aware of rice varieties to be planted in their home sub counties. On that note, two soil samples **K** and **N** were picked from **Kifampa** and **Nakifa** respectively for a detailed analysis.

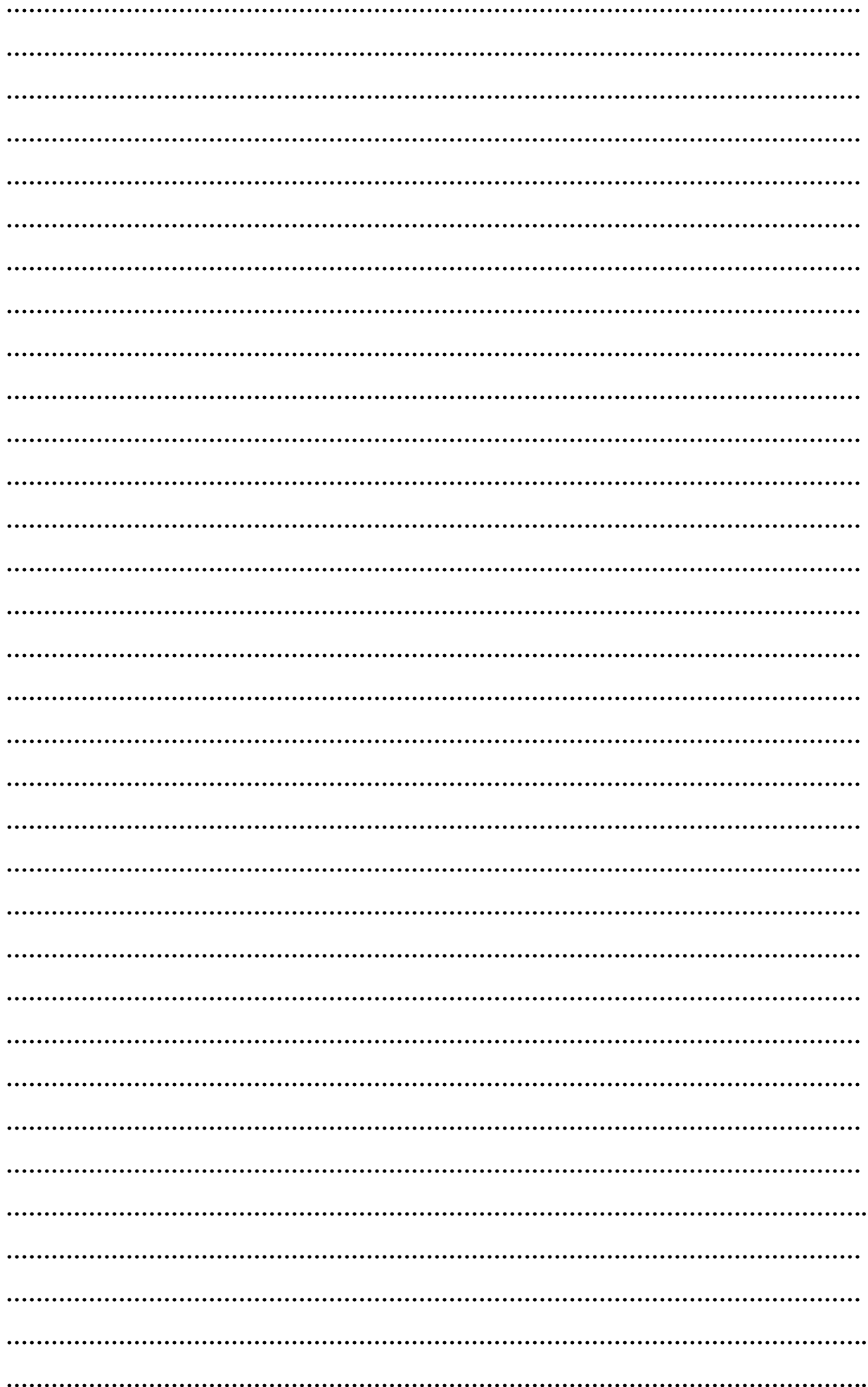
TASK.

- a) Carry out a scientific investigation using the two samples and advise the farmers on which rice variety to grow in their respective sub counties.
- b) How can farmers from Kifampa sub county improve their land for proper growth of all the rice varieties.

Your write should include the following.

Aim, hypothesis, variables, procedure, data analysis, conclusion, recommendation.

[illegible]



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ITEM 2.

Brown is a cattle farmer. On his farm, female calves were observed with pot bellied stomach, rough hair coat and some organisms were seen in their dung. Male animals on the farm showed non of the issues highlighted above however, they experience a slow growth rate regardless of good management and feeding them on a balanced ration. He invited an expert who advised him to use specimens Q and R to address his challenges. However, Brown is not aware of how to apply and use the two specimens to solve his challenges.

TASK.

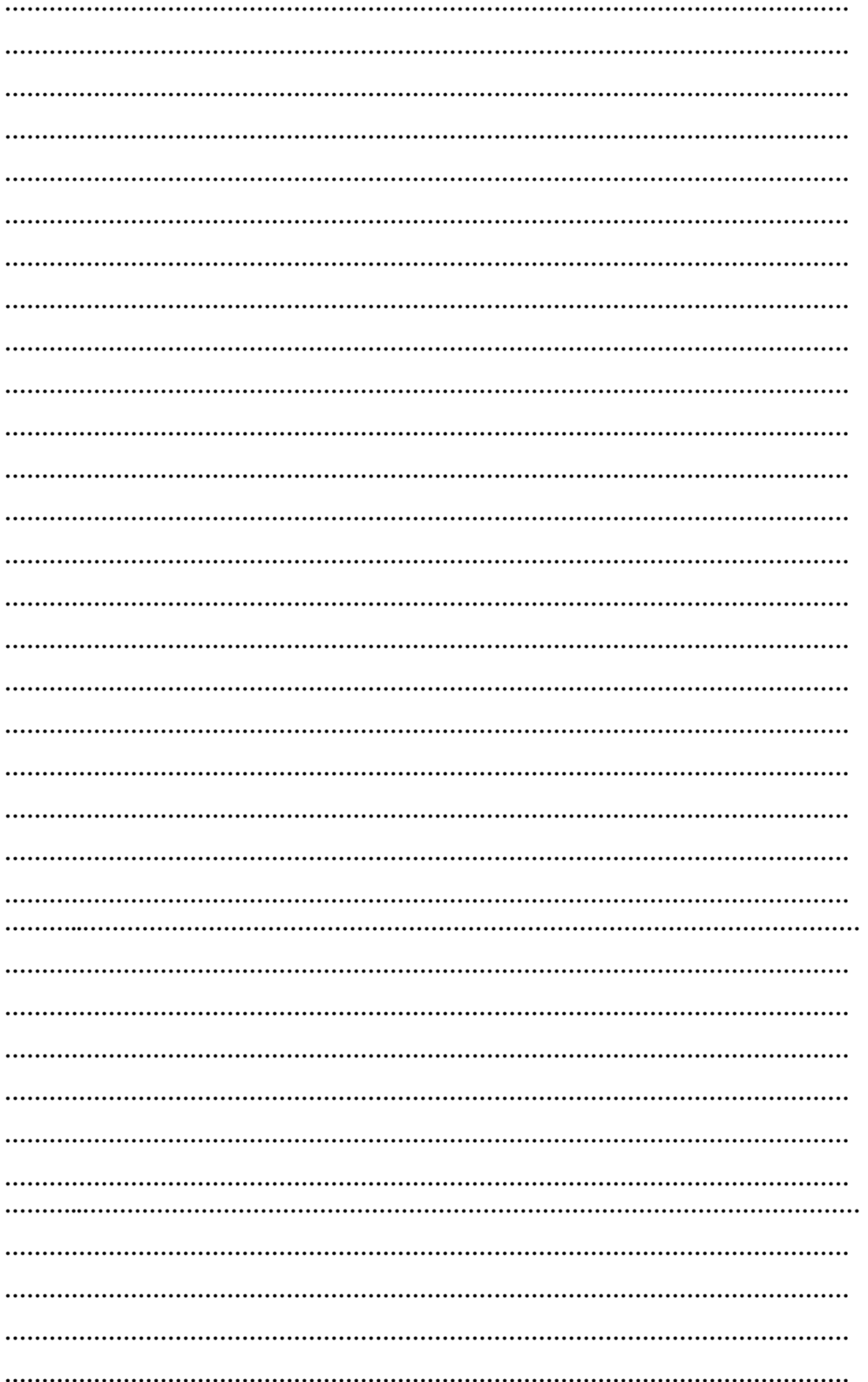
- a) Observe the specimens properly and develop logical manual instructions on how he can apply and use the two specimens to solve his challenges.
- b) From your observations, how are the specimens adapted to perform their function.

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[illegible]

END