

Candidate's Name:

Signature:

Random No.					Personal No.		

P515/2
PRINCIPLES AND
PRACTICES
OF AGRICULTURE

Paper 2
(Practical)

2026
2 hours



UGANDA NATIONAL EXAMINATIONS BOARD

Uganda Advanced Certificate of Education

PRINCIPLES AND PRACTICES OF AGRICULTURE

Paper 2
(Practical)

2 hours

For Scorers' Use Only

INSTRUCTIONS TO CANDIDATES:

This examination paper consists of two compulsory items.

*Write your responses in the spaces provided using **blue or black ink**.*

No extra paper is allowed. Any work written on additional sheets will not be scored.

Item No.	Basis Code	Weighted Score	Scorers' Initials
1			
2			
Total Weighted Score			

Item 1

James grows Irish potatoes to supply to food kiosk owners in Kabale town to prepare fried chips for the urban dwellers. During prolonged dry seasons, he irrigates the crops to sustain crop growth and ensure increased yields using water from two sources. However sometimes, even after applying the irrigation water, the crops continue wilting while other times, the crops respond positively to the water applied and grow vigorously.

James contacted the area agricultural officer for a possible explanation. The Sub-county agricultural officer suspects the varied response by the crops could be due to differences in the quality of water James uses for irrigating his crops at the different times. He explained that when crops are irrigated, the tubers get soaked with water, and that if the quality of the water is poor, the tuber tissues become soft and reduce in size. These observations can be made on a tissue obtained from a peeled tuber.

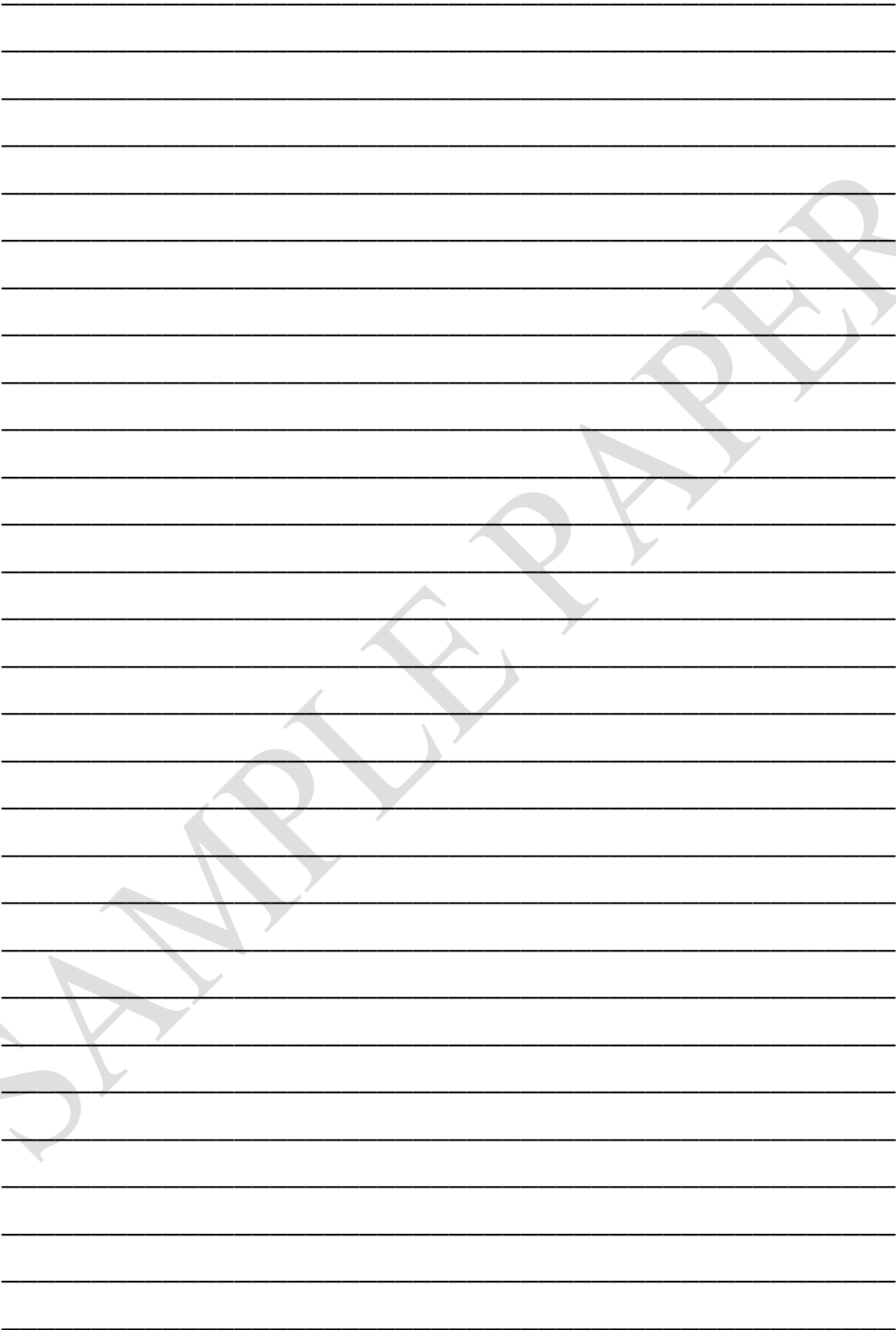
James would like to know which of the two water sources he should continue to obtain water from to irrigate his crops. You are provided with solutions A and B, which are the samples of water from the two different sources.

Task:

Design and carry out an investigation and evaluate the aspects of the two water sources to guide James. (*Your response should be in form of a scientific report*).

SAMPLE

Handwriting practice lines (20 horizontal lines).



Handwriting practice lines consisting of 20 horizontal lines.

An organization is empowering farmers by granting them inputs to improve their farms. Halimah has been identified by this organisation as one of the progressive farmers to benefit from this programme and has been given some agricultural inputs. Specimens **C**, **D**, **E**, **F** and **G** are some of the inputs that she received. Among the inputs are tools she wants to use to construct a wooden gate of height 5 m and width 4 m.

(a) Analyse the specimen features of **D**, **E**, **F** and **G** will enable Halimah to execute the mission.

SAMPLE PAPER

- SAMPLE PAPER

