

Candidate's name.....

Signature:

Centre No.				Identification No.			

P515/2

Principles and Practices of Agriculture

Paper 2

July/August 2026

3hours

BUGANDA EXAMINATIONS COUNCIL MOCKS 2026

Uganda Advanced Certificate of Education

Principle and Practices of Agriculture

Paper 2

3hours

INSTRUCTION TO CANDIDATES

- o This paper consists of **two** items
- o All items are compulsory
- o All responses **MUST** be written in space provided.

For scores use only

Item	Basis code	Score level	Score's initial
1			
2			

Item 1

Oloa is a Mango farmer in Lira district who has been growing vegetables and cereal crops for several seasons and obtaining high yields at harvest. However, in the last 3 seasons, his yield have dropped despite planting certified seeds of vegetables and cereal and applying all required soil amendment like fertilizers at recommended rates.

At time of planting seasons, Oloa prepared two plots, plot A and B which had similar soil type. He wanted to plant maize and vegetable in different plots as A and B. Therefore after preparing the plots, he planted seeds of vegetables and cereals in different plots. Oloa obtained fertilizers from certified suppliers as fertilizer H_1 and H_2 , he applied them to the plot of vegetable and cereals just after germination. He observed the crops had no uniform growth in both plots and they showed pale leaves. Oloa predicted that the differences in dissolving rate and wrong stage of applying the fertilizers specimen H_1 and H_2 were picked from batch of patterns H_1 and H_2 respectively as presented to you.

Task

Plan and conduct a scientific investigation on specimen H_1 and H_2 and recommend to Oloa the stage of plant each fertilisers should be applied to the vegetables and cereals.

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Item 2

Janan is a farmer in Western Uganda who practices growing of crops for commercial purpose. He sells his crops and crop products within Mbarara city and also transport to other towns or cities with aim of earning income. Recently the quality and quantity of his crops in the garden have gone down and customers are complaining a lot. He observed unpredictable plants in his garden as K_1 and K_2 were again existing. Janan observed some of his crops were having unhealthy appearances, he decided to uproot the plant as specimen G and E. Janan suspected that specimen K_1 and K_2 could be the cause of appearance on specimen G and E.

Task

- (a) Observe and describe the features of K_1 and K_2 which make them hard to control. (04 scores)

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- (c) Advise Janan on how he can effectively eradicate specimens K_1 , K_2 and F to improve his crop yields. (04marks)

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