

CANDIDATE'S NAME:.....

SIGNATURE

<i>Index number</i>							

553/2
Biology
Paper 2
2¹/₂ HOURS



Apex Examination

Council

MOCK EXAMINATIONS 2025

Uganda Certificate of Education

BIOLOGY

Paper 2(Practical)

2 Hours 30 Minutes

INSTRUCTIONS TO CANDIDATES;

This paper consists of two Sections; A and B. It has seven examination items.

Section A has three compulsory items.

Section B has two parts; I and II. Answer one item from each part.

Answers to section A must be written in the spaces provided while answers to section B must be written in the answer booklet(s) provided.

Answer five items in all

Any additional item(s) answered will not be scored

1. Mr. Matovu grows vegetables in containers around his home. During dry seasons, he waters these vegetables to supply them with enough water. One day, he was at work and told his son to water them. The son unfortunately poured a solution onto the vegetables that made all the leaves of the vegetables droop (wilt) and eventually dried.

One of the solutions **A** or **B** is wrong, which led to the drying of the vegetables.

TASK

- (a) Carry out a scientific investigation-using specimen T, to identify which solution was poured on the vegetables.

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(c) Advise Mr. Matovu on how he can prevent his vegetables from drying.

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2. Mr. Okello grows maize from which he gets school fees for his children after selling them. Last season, he made losses after certain organisms destroyed all the maize by cutting the stems. As he was still figuring out what he could do to the children at home, he discovered that the children were suffering from cholera and other group of organisms that possessed wings destroyed their books in the cupboards.

He became so furious and frustrated that he angrily collected all the organisms from his garden and house to burn them.

Some of the organisms collected included specimens **X**, **Y** and **Z**.

TASK

a) Identify with reasons the group of animals to which specimens **X**, **Y** and **Z** belong.

Identity.

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Reasons.

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b) Suggest which organism could have led to the spread of cholera and describe how it was able to spread the disease.

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c) Examine the specimen that could have destroyed the maize. Draw the head and one segment of the thorax and clearly label the parts responsible for the destruction of the maize.

END