

NAME: **SIGNATURE**

553/1
BIOLOGY
APRIL/MAY 2025
1Hr 50mins

UGANDA CERTIFICATE OF EDUCATION
BIOLOGY
Paper 1
END OF FIRST TERM
SENIOR THREE
1hours 50 minutes

INSTRUCTIONS TO CANDIDATES:

☐ *This paper consists of **three compulsory** examination items. All items carry equal scores Answer **all** the items in the spaces provided.*

☐ *Drawings should be made in the spaces provided. Use **sharp pencils** for your drawings. Coloured pencils or crayons should **NOT** be used.*

☐ *No additional sheets of writing paper are to be inserted in the booklet. Read and understand the scenario and interpret the task carefully*

FOR EXAMINERS USE ONLY

ITEM	SCORES	COMMENT
1		
2		
3		

ITEM 1

Cypriano had a garden of beans near a busy dusty road. Although he planted good seeds, weeded the plants in time, applied fertilizers and sprayed against pests, the bean plants remained stunted and gave poor yields.

TASK

a) Identify the plant processes affected by the dust from the roads

b) Explain the causes of stunted growth and poor yields

c) How did the bean plants give some yields despite the challenge.

ITEM 2

Dianah's baby was looking healthy for the first one year. After stopping the breast from breast feeding, her child developed many healthy complications including pot belly, deformed legs, loss of weight inability to see at night and frequently falling sick. On seeking medical attention, the doctor advised to feed her on carrots, milk mixed with porridge and silver fish.

TASK

- a) Describe the processes the meal will pass to help the child to recover.

[illegible]

- b) Explain how the recommended food will enable the child to recover.*

This image shows a single sheet of white paper with ten horizontal dashed lines, typical of primary school handwriting practice paper. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.

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ITEM 3

In Busoga region, farmers are obtaining poor crop yields from maize and sugarcane. Brick makers also complain that the bricks normally break easily and after a short period of time. Builders also face a challenge of plaster falling off while doing their work. However, members lack knowledge on physical and chemical properties of soil.

- a) Explain the causes of each of the problems faced by different categories of people in the scenario.*

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- b) Explain ways in which the problem faced by each category of people can be solved.*

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END

Life is a chemical reaction and we are the catalyst