

Student Name

School Name:..... Index Number

553/2

BIOLOGY

PAPER 2

JULY/AUGUST 2025



HES MOCK EXAMINATIONS 2025
UGANDA CERTIFICATE OF EDUCATION
BIOLOGY
PAPER 2

2 HOURS 30 MINUTES

INSTRUCTIONS

- The paper consists of two examination items
- Answer all items in the spaces provided
- Use sharp pencils for your drawings in the spaces provided
- Colored pencils or crayons should not be used
- No additional sheets of writing paper are to be inserted in this booklet
- Additional sheets with not be scored

For examiners use only		
Item number	Scores	Scorer's initials
Item 1		
Item 2		
Total		

ITEM 1

Joshua and his father who is a fisherman went with him on a sunny day. While fishing in a boat they became thirsty amidst the lake but they could not drink lake water because it was contaminated. Upon reaching the lake shores, they bought water from two different canteens L and M. Unfortunately Joshua felt more thirsty on drinking the water a few minutes later, while his father felt like urinating briefly after taking the water. You are provided with water samples L and M from the respective canteens.

Task

Using specimen P, Carryout a scientific investigation on samples L and M to identify which sample was drank by Joshua and his father and explain why Joshua felt more thirty while his father felt like urinating briefly after taking water

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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ITEM 2

Edson a 7 year old was happy when his father gifted him with a new bicycle. He decided to ride his bicycle a long a steep slope unfortunately he fell down and lost one of the structures used in physical digestion from the front of the jaw in his mouth. You are provided with specimen X and Y one of which is the structure lost from Edson's mouth

Task

(a) Using observable features identify the specimen that Edson lost from his mouth

(b) Explain how the specimen identified is suited to perform its function

(c) Outline two ways on how Edson can care for similar structures from his mouth

(d) Draw and label the specimen lost from Edson's mouth

END