

**553/2&3 Inst. Sch.
BIOLOGY
PRACTICAL
INSTRUCTIONS
2024**



UGANDA NATIONAL EXAMINATIONS BOARD

Uganda Certificate of Education

BIOLOGY PRACTICAL INSTRUCTIONS

553/2&3 Inst. Sch.

CONFIDENTIAL

This information is given only to facilitate preparation of examination.

Great care should be taken that the information given below does not reach the candidates either directly or indirectly.

INSTRUCTIONS FOR PREPARING SPECIMENS AND APPARATUS:

The teacher responsible for preparing specimens must ensure that candidates are provided with correct specimens and other materials as specified in these instructions. Specimens and solutions which have been assigned codes should be presented to candidates using those **codes only** and not any other identity. The head teacher **must** ensure that the teacher responsible for preparing the specimens hands in his/her trial results for the physiology/biochemistry question, properly sealed in a separate envelope and **firmly** fastened (attached) to the candidates' script envelope(s).

Each candidate should be provided with;

25 cm³ of solution **A** (*is prepared by crushing 125 g of peeled fresh cassava, into paste, add 500 ml of water, mix and decant the solution then dilute it to 1000 ml using distilled water*).

25 cm³ of solution **B** (*is prepared by soaking 125 g of beans in water for 24 hours, pound the beans into paste and mix with 500 ml of distilled water. Decant the solution and dilute to 1000 ml using distilled water*).

Freshly killed housefly, labelled specimen **Y**.

Freshly killed worker termite, labelled specimen **X**.

Access to:

Reagents for food tests.

2 Beakers.

Hand lens.

Source of heat.

6 Test tubes.

Test tube holder.

Test tube rack.

Droppers.

A thermometer.

Section II:

The invigilator in consultation with the teacher responsible for preparing the specimens should give details below of any difficulties experienced by particular candidates, giving their names and personal numbers. This should include reference to:

(a) Candidates who were unable to use specimens,

(b) Insufficiency of specimens or shared specimens,

(c) Substituted specimens,

(d) Any other information.

Other cases of hardship e.g. illness, disability, should be reported directly to UNEB in the normal way.

A plan of work benches, giving details by personal numbers of the places occupied by the candidates for each session, must be enclosed with the scripts.

DO NOT STAMP ANYWHERE ON THIS DOCUMENT.

Invigilator's Name _____ Signature _____

Signature of the teacher responsible for preparing specimen _____

Signature of the head teacher _____

Random Number _____