

**553/2 Inst. Sch.  
Biology  
Practical  
Instructions  
Oct./Nov. 2024**



**UGANDA NATIONAL EXAMINATIONS BOARD**

**Uganda Certificate of Education**

**BIOLOGY PRACTICAL INSTRUCTIONS**

**553/2 Inst. Sch.**

October/November 2024

**CONFIDENTIAL**

This information is given only to facilitate preparation of the examinations.

**Great care should be taken so 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' scripts envelope(s).

**Each candidate should be provided with:**

10 cm<sup>3</sup> of extract **A**.

*(A is made by crushing 300 g of peeled Irish potatoes, mix with distilled water, decant and make it to 1 litre with distilled water.)*

8 cm<sup>3</sup> of 6 % hydrogen peroxide.

A whole mature couch grass, labelled **D**.

A medium sized Irish potato tuber, labelled **E**.

A mature cockroach, labelled **V**.

A housefly, labelled **W**.

A worker termite, labelled **X**.

6 test tubes.

1 boiling tube.

1 measuring cylinder (10 cm<sup>3</sup>).

Hand lens.

Stop clock.

Labels.

**Access to:**

Source of heat.

Reagents for carrying out food tests.

Distilled water.

**This form MUST be completed and returned in a separate envelope, firmly attached to the scripts envelope(s).**

**UGANDA CERTIFICATE OF EDUCATION**

**October/November 2024**

**REPORT ON BIOLOGY PRACTICAL 553/2**

**Section I:**

Any information which the teacher responsible for preparing the specimens and apparatus thinks may be useful to the examiners should be given on this sheet. The teacher must try out the physiology/biochemistry question and submit his/her results in the space provided below, to guide the examiners about the specimens, apparatus, and concentrations of the chemicals used.

**N.B.** Teachers who **do not** submit their trial results will be held responsible for their candidates' performance.

**Results:**

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## 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:

(a) Candidates who were unable to use specimens.

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(b) Insufficiency of specimens or shared specimens.

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(c) Substituted specimens.

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(d) Any other information.

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Other cases of hardship e.g. illness, disability, etc., 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**

Name of the invigilator..... Signature .....

Signature of the teacher responsible for preparing specimens .....

Signature of the head teacher .....

Random Number .....