

553/3 Inst. Sch.
BIOLOGY
PRACTICAL
Instructions
July / Aug 2024



KAMTEC EXAMINATIONS BOARD
Uganda Certificate Of Education
BIOLOGY PRACTICAL INSTRUCTIONS
553/3 Inst. Sch.

CONFIDENTIAL

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).

In addition to the apparatus ordinarily contained in a Biology Laboratory, each candidate will require;

Specimen **D**: Fresh Irish Potato tuber

0.1M Sodium Hydroxide Solution

0.1M Hydrochloric acid

Thermometer

Funnel

Motor and Pestle

2 Plastic Beakers (250ml)

Hot water

Distilled water

5 test tubes

Test tube holder

Filter paper

Access to heat source

All necessary reagents for food test

Specimen **P**. Freshly Uprooted Couch grass rhizome with at least two shoots

Specimen **Q**. Freshly uprooted black jack (*Bidens Pilosa*) with fruits

This form MUST be completed and returned in a separate envelope firmly attached to the script envelope(s)

UGANDA CERTIFICATE OF EDUCATION

2024

REPORT ON BIOLOGY PRACTICAL 553 / 3

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 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.

NB: Teachers who **DO NOT** submit their trial results will be held responsible for their candidates' performance.

Results:

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 KAMTEC EXAMINATIONS BOARD 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 _____

END