

**P530/2 Inst. Sch.
BIOLOGY
PRACTICAL
INSTRUCTIONS
2026**



UGANDA NATIONAL EXAMINATIONS BOARD

Uganda Advanced Certificate of Education

BIOLOGY PRACTICAL INSTRUCTIONS

P530/2 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 CHEMICALS AND APPARATUS

The head teacher **must** ensure that the teacher responsible for preparing the specimens, chemicals and apparatus hands in his/her procedures together with the trial results properly sealed in a separate envelope and **firmly** fastened (attached) to the candidates' scripts envelope(s).

1. The description of the specimens, reagents and chemicals specified below does **not** necessarily correspond with the description in the examination paper. Candidates must **not** be informed of the differences.
2. Candidates are **not** allowed to use reference books during the examination.
3. In addition to the fittings and substances ordinarily contained in a Biology laboratory, each candidate will require:
 - 20cm³ of solution **P**
(Solution P is prepared by dissolving 8 cm³ of hydrogen peroxide (100V) in 92cm³ of water)
 - 20cm³ of extract **A**
(Extract A is prepared by dissolving 300 g of peeled, crushed irish potato in 1000cm³ of distilled water, stirred and decanted)
 - 20cm³ of extract **B**
(Extract B is prepared by dissolving 200g of peeled crushed Irish potato in 1000cm³ of distilled water, stirred and decanted)
 - 5cm³ of distilled water labelled **X**
 - 5cm³ of 2M HCl labelled **Y**
 - Freshly killed rat labelled **E**
 - Medium sized irish potato labeled **C**
 - 6 test tubes
 - 10cm³ measuring cylinder
 - Knife
 - Metre rule
 - Mortar & pestle
 - Thermometer

Easy access to:

- Heat source.
- Common reagents for food tests
- Weighing balance reading to atleast one decimal point.

Section II:

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

(a) difficulties due to faulty apparatus,

(b) accidents to apparatus or materials,

(c) physical handicaps of candidates,

(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 experiment, for each session, must be enclosed with the scripts.

Invigilator's Name _____ Signature _____

Signature of the teacher responsible for preparing chemicals/specimens _____

Signature of the head teacher _____

Random Number _____