

**545/2&3 Inst. Sch.
CHEMISTRY
PRACTICAL
INSTRUCTIONS
2024**



UGANDA NATIONAL EXAMINATIONS BOARD

Uganda Certificate of Education

CHEMISTRY PRACTICAL INSTRUCTIONS

545/2&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 CHEMICALS AND APPARATUS

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

1. The description of the reagents and chemicals specified below does **not** necessarily correspond with the description in the question paper. Candidates must **not** be informed of the differences.
2. Candidates are **not** allowed to use reference books (i.e. text books, booklets on qualitative analysis etc.) during examination.
3. In addition to the fittings and substances ordinarily contained in a chemistry laboratory, each candidate will require:

2 plastic beakers.

1 thermometer.

1 measuring cylinder of 50cm^3 or 100cm^3 .

1 burette.

2 conical flasks.

6 test tubes.

1 pipette of 25.0cm^3 or 20.0cm^3 .

1 stop clock.

5 labels.

100 cm³ of distilled water.

50 cm³ of BA1.

250 cm³ of BA2. Easy access to:

- Heat source.
- Phenolphthalein and methyl orange indicators.

BA1 is prepared by diluting 112cm^3 of concentrated hydrochloric acid (1.18g/cm^3 , 36%) acid with distilled water to make one litre of solution.

BA2 is prepared by dissolving **80g** of **Q**, to make one litre with distilled water.

Q, will be provided by **UNEB**.

Section II:

The Invigilator in consultation with the teacher responsible for preparing the apparatus 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 due 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 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 chemicals _____

Signature of the head teacher _____

Random Number _____