

**545/2 Inst. Sch.
CHEMISTRY
PRACTICAL
INSTRUCTIONS**



MEPSA RESOURCEFUL ASSESSMENT 2024

**Uganda Certificate of Education
CHEMISTRY PRACTICAL INSTRUCTIONS
545/2 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
2. Candidates must **not** be informed of the differences.
3. Candidates are **not** allowed to use reference books (i.e. text books, booklets on qualitative analysis etc.) during examination.
4. In addition to the fittings and substances ordinarily contained in a chemistry laboratory, each candidate will require:
 - 1 thermometer.
 - 1 measuring cylinder of 50cm³ or 100 cm³.
 - 1 burette.
 - 2 conical flasks.
 - 6 test tubes.
 - 1 pipette of 25.0cm³ or 20.0cm³.
 - 1 stop clock.
 - 5 labels.
 - **100 cm³** of distilled water.
 - **150 cm³** of BA1.
 - **150cm³** of BA2
 - 130cm³ BA³
 - 3 plastic beakers (250cm³)

Easy access to heat source

Phenolphthalein and methyl orange indicators.

BA1 is prepared by diluting 108.7 cm³ of concentrated sulphuric acid (1.84 g/cm³, 98%) acid with distilled water to make one litre of solution.

BA2 is prepared by diluting 117.65 cm³ of ethanoic acid (1.048 – 1.051 g/cm³) with distilled water to make one litre.

BA3 is prepared by dissolving **80g** of Z, to make one litre with distilled water.

Z will be provided by **school.**

Z is sodium hydroxide