

545/3 Inst. Sch.
CHEMISTRY PRACTICAL
INSTRUCTIONS
July/Aug. 2023



HOIMA DIOCESE EXAMINATIONS BOARD

Uganda Certificate of Education, Mock Examination
CHEMISTRY PRACTICAL INSTRUCTIONS

Paper 545/3 Inst.Sch.
July/August 2023

CONFIDENTIAL

Great care should be taken that the information given below does not reach the candidates either directly and indirectly.

INSTRUCTIONS FOR PREPARING APPARATUS

N.B: The head teacher must ensure that the teacher responsible for preparing the apparatus hands in his /her trial results properly sealed in separate envelope and firmly fastened (attached) to the candidates' scripts envelope(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 difference.
2. Candidates are **not** allowed to use reference books, i.e., text books, booklets on qualitative analysis etc., during examinations.
3. In addition to the fittings and substances ordinarily contained in a Chemistry laboratory, each candidate will require:

- 1 burette (50 cm³)
- 1 pipette (25 cm³ or 20 cm³)
- 1 measuring cylinder (100 ml)
- 2 conical flasks
- 1 thermometer

100 cm³ of BA1

100 cm³ of BA2

2 g of **P**

Q which is a closed bottle containing sodium hydroxide pellets placed in a central place. Place a spatula near this bottle.

- 1 beaker (250 ml)
- 2 filter papers
- 1 retort stand
- 6 test tubes
- 1 boiling tube
- 1 filter funnel
- 1 spatula
- 1 test tube holder

Easy access to

- A balance of accuracy 1 decimal place placed in a central point.
- Heat source
- Reagents for identifying cations, anions and gases
- Phenolphthalein indicator
- Methyl orange indicator.
- Distilled water.

BA1 is a 0.2 M Hydrochloric acid solution.

BA2 is prepared by dissolving 8.48 g of anhydrous sodium carbonate in 1 litre of solution.

P is Zinc chloride + Lead (II) chloride mixed in the ratio of 2:1.