

545/4 Inst. Sch
CHEMISTRY
PRACTICAL
Paper 4
July / Aug 2022



KAMPALA WAKISO GIANT SCHOOLS' ASSOCIATION (KWGSA)

National Joint Mock Examination 2022

Uganda Certificate of Education

CHEMISTRY

PRACTICAL INSTRUCTIONS

July / August 2022

CONFIDENTIAL

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

INSTRUCTIONS FOR PREPARATION OF APPARATUS

*The head teacher **must** ensure that the teacher responsible for preparing the apparatus hands in his / her trial results properly sealed in a separate envelope and **firmly** fasten (attach) it with 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. Therefore, candidates must **not** be informed of the difference.
2. Candidates are not allowed to enter with reference books. (i.e text books, booklets on qualitative analysis etc) during the examination.
3. In addition to the fittings and substances ordinarily contained in the chemistry laboratory, each candidate will require

1 burette of 50.0cm³ capacity.

1 clean pipette of 25.0 / 20.0cm³ capacity.

2 100cm³ measuring cylinders.

1 white sheet of paper.

One conical flasks.

10cm³ of Phenolphalein indicator / 3.0cm³ Methyl Orange indicator.

3g of compound V.

100cm³ of FA₁ in a clean beaker.

250cm³ of FA₂ in a clean beaker.

200cm³ of FA₃ in a clean beaker.

1 stop clock / stop watch.

8.0cm of magnesium ribbon.

2 filter paper.

Access to

- Common reagents for identifying Cations and anions.
- Heat source
- Distilled water
- Litmus paper

Note:

FA₁ must be made by diluting **88.0cm³** of concentrated hydrochloric acid in in a litre of distilled water to make a solution.

FA₂ is a solution of **0.2M** sodium thio sulphate.

FA₃ is a solution containing 0% sodium thio sulphate.

Compound V is a mixture of Copper (II) sulphate and zinc sulphate in the ratio **1:3**.

*This form **must** be completed and returned with the scripts.*

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REPORT ON CHEMISTRY PRACTICAL 545/4

Section I

Any information which the teacher responsible for preparing the apparatus thinks may be useful to the examiner, should be given on this sheet. The teacher **must** try all the questions and submit his / her trial results in the space provided below to guide the examiners about the apparatus and concentration of the chemicals used.

NB

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

Results

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Section II

The invigilator in consultation with the teacher responsible for preparing the apparatus should give the details below of any difficulties experienced by particular candidates, giving their names and index numbers. These should include reference to;

Difficulties due to faulty apparatus.

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Accidents to apparatus or materials.

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Physical handicaps of candidates.

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Any other information. (*Attach separate sheet if space is inadequate*)

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Other cases of hardships e.g illness, disability should be reported directly to the examination committee in normal ways.

A plan of work benches, giving details by index numbers and or names of the places occupied by the candidates for each session must be enclosed with the scripts.

Name :..... **Signature:**
(Invigilator)

Name :.....**Signature:**
(Teacher responsible for preparing apparatus)

Name :.....**Signature:**
(Head Teacher)

Centre Name :