

**P525/3 Inst. Sch**  
**CHEMISTRY**  
**PRACTICAL**  
**Paper 3**  
**July / Aug 2022**



**KAMPALA WAKISO GIANT SCHOOLS' ASSOCIATION (KWGSA)**

National Joint Mock Examination 2022

**Uganda Advanced Certificate of Education**

**CHEMISTRY**

**PRACTICAL INSTRUCTIONS**

**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 50.0cm<sup>3</sup> capacity.

1 clean pipette of 10.0cm<sup>3</sup> capacity.

3 conical flasks.

Measuring cylinder of 100.0cm<sup>3</sup> capacity.

1 volumetric flask of 250cm<sup>3</sup> capacity.

3.0g of Substance **T**.

50cm<sup>3</sup> of liquid **X**.

Digital beam balance.

2 filter papers.

200cm<sup>3</sup> of **FA**<sub>1</sub> in a clean beaker.

50cm<sup>3</sup> of **FA**<sub>2</sub> in a clean beaker.

At least 10 test tubes in a rack.

#### **Access to**

Common reagents for identifying Cations and anions.

Common reagents used to test for organic common compound.

Litmus paper.

Heat source

Distilled water and a water bath

#### **Note:**

**FA**<sub>1</sub> is made by dissolving 12.4g of sodium thio sulphate in 500cm<sup>3</sup> of distilled water to make a solution.

**FA**<sub>2</sub> is a solution made by dissolving 2g of Potassium iodide in 500cm<sup>3</sup> of distilled water to make a solution.

Liquid substance **X** is Ethanoic acid.

Liquid **E** is a solution of a bleaching agent containing sodium hypochlorite.

Substance **T** is a mixture of CuCO<sub>3</sub> and CaCl<sub>2</sub> in the ratio 1:2.

50cm<sup>3</sup> of **FA**<sub>3</sub> made by dissolving 37.25g of potassium iodide in a litre to make a solution.

50cm<sup>3</sup> of **FA**<sub>4</sub> made by dissolving 56cm<sup>3</sup> of concentrated sulphuric acid in a litre to make a solution.

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

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**REPORT ON CHEMISTRY PRACTICAL P525/3**

**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 : .....