

P525/3 Inst. Sch.
CHEMISTRY
PRACTICAL
INSTRUCTIONS
JULY/AUG 2024

ASSHU ANKOLE JOINT MOCK EXAMINATIONS 2024

Uganda Advanced Certificate of Education

CHEMISTRY PRACTICAL INSTRUCTIONS

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CONFIDENTIAL

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

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 the examination.
3. In addition to fittings and substances ordinarily contained in a chemistry laboratory, each candidate will require.
 - 1 burette (50cm^3)
 - 1 pipette (25.0cm^3 or 20.0cm^3)
 - 1 measuring cylinder (100cm^3)
 - 1 measuring cylinder (25 or 50cm^3)
 - 1 thermometer ($-10 - 100^\circ\text{C}$)
 - 1 volumetric flask (250cm^3)
 - 2 conical flasks

1 stop clock/watch
4 beakers (200cm³ or 250cm³)
500cm³ of distilled water.
8 test tubes
1 boiling tube
3 pieces of filter papers
Labels
60cm³ of 5% potassium iodide solution
200cm³ of 1M sulphuric acid
100cm³ of FA1
120cm³ of FA2
10cm³ of FA5
2.8g of W
3.0g of Z
15cm³ of Y

Easy access to:

- Heat source.
- Common reagents for identifying of gases, cations, anions and organic compounds.
- Phenolphthalein and methyl orange indicators.
- Freshly prepared starch indicator
- Weighing balance reading to atleast one decimal place.

FA1, is prepared by dissolving 1.6g of potassium manganate(VII) in distilled water to make one litre of solution.

FA2, is prepared by dissolving 12.6g of anhydrous sodium sulphite in distilled water to make one litre of solution.

FA5, is prepared by dissolving 0.8g of anhydrous sodium hydrogen carbonate in distilled water to make one litre of solution.

W, is prepared by mixing zinc carbonate, calcium carbonate and potassium bromide in the ratio of 3g: 2g: 1g respectively.

Solid Z, is anhydrous potassium chromate (VI)

Liquid Y, is propyl alcohol / n-propanol.