

KIRIMA JOINT EVALUATION TEST – 2009

233/3

CHEMISTRY

PAPER 3

PRACTICAL

JULY/AUGUST 2009

CONFIDENTIAL

REQUIREMENTS FOR CANDIDATES

In addition to the apparatus and fittings found in a chemistry laboratory, each candidate will require the following:-

- About 100cm³ of solution Y₁
- About 100cm³ solution Y₂
- One burette (0 – 50ml)
- One pipette (25ml)
- Two conical flasks
- 10ml measuring cylinder
- One 250ml beaker
- A white file
- Stop watch/ clock
- About 200ml distilled water in a wash bottle
- 5cm length of magnesium ribbon
- About 50cm³ of 2M hydrochloric acid
- 0.3g of solid P
- Two boiling tubes
- 5 test tubes in a test – tube rack
- One spatula
- One blue and one red litmus paper.

ACCESS

- 1M NaOH Supplied with a dropper
- 0.1M Ammonium Solution Supplied with a dropper
- 1M Barium Chloride Solution Supplied with a dropper
- 0.1M Nitric acid supplied with a dropper
- 0.1M silver nitrate supplied with a dropper
- Freshly prepared 0.5M iron (II) sulphate solution supplied with a dropper.
- Concentrated sulphuric acid supplied with a dropper.
- Source of heat
- Phenolphthalein indicator

NOTES

1. Solution Y₁ is 0.2M Hydrochloric acid
2. Solution Y₂ is prepared by dissolving 14.3g of sodium carbonate decahydrate, Na₂CO₃ · 10H₂O in 800cm³ of distilled water and diluting it to one litre of solution.
3. Solid P is Lead Nitrate, Pb(NO₃)₂