

KIRINYAGA CENTRAL DISTRICT JOINT EXAMINATION - 2013

233/3

CHEMISTRY

PAPER 3

(PRACTICAL)

CONFIDENTIAL

Each candidate should be provided with the following:-

- Solution B₁ - about 120cm³ of oxalic acid solution containing 3.15g of acid dissolved in 250cm³ of solution.
- Solution B₂ - about 120cm³ of 0.2M sodium hydroxide solution.
- One burette.
- One filter funnel.
- One 25cm³ pipette.
- A clamp and stand.
- Phenolphthalein indicator.
- 2 conical flasks.
- White tile.
- Pipette filler.
- Solution Q 10cm³ (1M sodium sulphite).
- Solution B₁ (10cm³ of oxalic acid solution).
- Metallic spatula.
- Solution D 150cm³ of 2M HCl.
- Solution G 150cm³ of 2M NaOH.
- Thermometer.
- 10ml measuring cylinder.
- 50ml measuring cylinder.
- 100ml plastic beaker or cup.
- Six test tube in a test tube rack.

Access to:

- Means of heating.
- 2M NaOH solution.
- 2M Ba(NO₃)₂ solution.
- 2M HCl acid.
- Acidified K₂Cr₂O₇ solution.
- Bromine water.
- Blue and red litmus paper.
- Acidified potassium manganate (VII), KMnO₄.