

KIGUMO SUB-COUNTY CLUSTER EXAMINATION 2016
Kenya National Examination Council
CHEMSITRY PAPER 3
CONFIDENTIAL TO SCHOOL

Each candidates to be provided with

- Exactly 2.65g of Anhydrous sodium carbonate (Solid P)
- 100cm³ of 0.125M Hydrochloric acid labelled solution (M)
- FeSO₄.7H₂O (Solid C) Approximately 2g
- 2g Zinc powder
- Maleic acid (solid Q) - 2 sapatulafuls
- Universal indicator paper and pH chart
- 0.5g of NaHCO₃ labelled
- Burette
- Pipette
- 250ml Volumetric flask
- 2 Conical flask
- 2 labels
- 100ml measuring cylinder
- 250ml beaker
- Metallic spatula
- 2 boiling tubes
- At least 6 test tubes in a rack
- Distilled water in a wash bottle

Access to

- 2M Pb(NO₃)_{2(aq)} supplied with a dropper.
- Means of heating
- 2M Naoh with a dropper.
- 20 vol. H₂O₂ with a dropper.
- 2M Ba(NO₃)_{2(aq)} with a dropper.
- 2M NH₄OH_(aq) with a dropper.
- Acidified KMnO₄ with a dropper.
- Acidified K₂Cr₂O₇ with a dropper.
- Methyl-Orange indicator.