

Muungano KCSE Pre-Trial Exam
CHEMISTRY (233/3) CONFIDENTIAL

Requirements

- Solid **M** – 2g Sodium Sulphite in a stoppered container.
- Solid **P** (1.8g of ammonium nitrate in a stoppered container)
- Solution **Q**, **2.0M** HCl acid – 100cm³
- Solution **R**, **0.1M** NaOH – 70cm³
- Substance **W**, **15cm³ ethanol**
- Pipette and pipette filler.
- 100cm³ beaker
- 250cm³ beakers (2)
- 250cm³ volumetric flasks.
- 1 label
- Burette
- One boiling tube
- Five dry clean test tubes in a rack
- Clamp stand
- Stop watch
- Tripod stand and wire gauze
- Thermometer (-10^oC – 110^oC)
- Test tube holder
- Funnel
- 250cm³ conical flasks (2)
- Distilled water
- White tile
- Solid Sodium Hydrogen Carbonate in a stoppered container.
- Watch glass
- Glass rod
- Wooden splint

Access to:-

- **2M** Sodium Hydroxide supplied with a dropper.
- **1M** Dil. Hydrochloric acid