

233/3

CHEMISTRY PRACTICAL

CONFIDENTIAL INSTRUCTIONS

A part from other laboratory apparatus and fittings each student is expected to have the following.

- A burette
- A 25 ml pipette
- 3 volumetric flasks
- Distilled water in a wash bottle
- Solution R – 0.1M MCl
- Stiring rod
- A 250ml volumetric flask
- A 250ml beaker
- A label
- About 2g solid Q
- Methyl orange indicator supplied with a dropper
- Solution C
- Solution D
- 1 – 50ml measuring cylinder
- 1 – 10ml measuring cylinder
- 1 stop watch
- About 1.0g solid K
- About 1.0g solid Z
- Litmus papers

Access to:

1. Sodium hydroxide solution
2. 1M Lead (II) nitrate
3. 1M Barium nitrate
4. Bunsen burner
5. Acidified potassium manganate VII
6. Sodium carbonate

NB:

Solution C – 0.1M $\text{Na}_2\text{S}_2\text{O}_3(\text{aq})$

Solution D – 2.0M $\text{HCl}(\text{aq})$

Solid K – NH_4Cl

Solid Z – Maleic acid