233/3

CHEMISTRY PRACTICAL

TERM TWO

CONFIDENTIAL

FORM THREE

In addition to the apparatus and fittings found in the Chemistry Laboratory, each candidate will require the following;

- 1. 150cm³ of solution C
- 2. 150cm³ of solution D
- 3. 60cm³ of Copper (II) sulphate (2 molar)
- 4. 50cm³Burette
- 5. 25cm³ pipette
- 6. Atleast 2 conical flasks
- 7. 100ml plastic beaker
- 8. $(-10^{\circ}\text{C} = 110^{\circ}\text{C})$ thermometer
- 9. Spatula
- 10. One boiling tube
- 11. 5 test tubes
- 12. 1g of Zinc powder (accurately measured)
- 13. About 0.5g of solid Q
- 14. Tissue paper
- 15. Distilled water in a wash bottle

Access to:

- Phenolphthalein indicator
- Source of heat
- 2M sodium hydroxide with a dropper
- 2M ammonia solution with a dropper
- 2M hydrochloric acid with a dropper
- 2M Barium nitrate with a dropper
- 2M nitric (v) acid with a dropper
- 2M Lead (II) nitrate with a dropper

NOTES

- 1. Solution C is made by dissolving 10.08g/l of ethanedioic acid (oxalic acid) in 400cm³.
- 2. Solution D is made by dissolving 8.0g of Sodium hydroxide in 400cm³ of water and made to one litre.
- 3. Solid Q aluminum sulphate $(Al_2(SO_4)_3)$