

NAME.....ADM
NO.....
SCHOOL.....
STUDENT'S SIGN.....DATE.....

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. 50cm³ Burette
5. 25cm³ pipette
6. Atleast 2 conical flasks
7. 100ml plastic beaker
8. (-10⁰C = 110⁰C) 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 ($\text{Al}_2(\text{SO}_4)_3$)