

233/3 – CHEMISTRY PRACTICALS**CONFIDENTIAL INSTRUCTIONS TO SCHOOLS**

Each candidate will require the following in addition to the apparatus and fittings in a Chemistry Laboratory:-

1. 100cm² of solution Q.
2. Accurately weighed 0.4g of hydrated ethanedioic acid – Solution T.
3. One burette – 50ml.
4. One pipette – 25ml.
5. One pipette filler.
6. One 250ml volumetric flask.
7. One thermometer – 10⁰C – 110⁰C.
8. One boiling tube.
9. Six test-tubes in a rack.
10. One metallic spatula.
11. 400cm² of distilled water.
12. Means of labeling.
13. About 1g of NaHCO₃ – Solid A.
14. 5cm³ of solution D.
15. About 1g of solid R.
16. Bunsen burner.

Access to:-

- 2M aqueous ammonia solution supplied with a dropper.
- Phenolphthalein indicator supplied with a dropper.
- 0.5M KI solution.
- 2M HCL
- 2M NaOH
- Zinc granules.
- Acidified KMnO₄ supplied with a dropper.
- Acidified K₂Cr₂O₇ supplied with a dropper.
- Solution D is a mixture of Pb(NO₃)₂ and Cu(NO₃)₂
- Solid R is a maleic acid.