



TEACHER.CO.KE SERIES 5

Kenya Certificate of Secondary Education

CHEMISTRY

PAPER 3

CONFIDENTIAL

A. Each candidate should have the following:

1. Solid A- Measure exactly 2.0g of oxalic acid.
2. Solution B – 60cm³ of 0.5M oxalic acid.
3. Solution C – 50cm³ of 0.25M sodium hydroxide solution.
4. Solution D – 100cm³ of 0.02M acidified KMnO₄ solution.
5. Burette – 50ml.
6. 25 ml pipette.
7. Pipette filler.
8. 250cm³ volumetric flask.
9. 50ml measuring cylinder.
10. Thermometer (-10⁰C – 110⁰C).
11. 2 – conical flasks.
12. 100ml plastic beaker.
13. Accessible to about 500cm³ of distilled water.
14. Means of labeling.
15. 10cm³ of solution F.
16. Solid G – 0.5g of oxalic acid.
17. A boiling tube.

18. Test tube holder
19. 6 test tubes.
20. 10cm³ measuring cylinder.
21. Filter paper and filter funnel.
22. Metallic spatula.
23. Boiling tube.

B. Accessible to the following:

1. Source of heat.
2. 2M sodium hydroxide solution.
3. 2M ammonia solution.
4. 2M Nitric acid.
5. 2M hydrochloric acid solution.
6. Universal indicator paper and a chart.

NB:

- All the bench solution above be supplied with a dropper.
- Solution F is a mixture of Al₂(SO₄)₃ and Cu(NO₃)₂ in the ratio 1 : 1.