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Chemistry Paper 3
Practical

CONFIDENTIAL

In addition to the fittings and apparatus found in a chemistry laboratory, each candidate will require the following;

1. About 120cm³ of solution A.
2. About 120cm³ of solution B.
3. About 100cm³ of solution C.
4. One pipette 25.0ml.
5. One pipette filler.
6. One volumetric flask.
7. One burette 0 – 50 ml.
8. Two conical flasks.
9. 8-dry test tubes.
10. Test tube rack.
11. One thermometer.
12. Two boiling tubes.
13. About 500 ml of distilled water in a wash bottle.
14. Means of labelling.
15. About 15cm³ solution E.
16. Blue and red papers.

ACCESS TO:

1. Methyl orange.
2. 2M NaOH supplied with a dropper.
3. 1M Na₂SO₄ solution supplied with a dropper.
4. 2M Ba(NO₃)_{2(aq)} supplied with a dropper.
5. 2M Pb(NO₃)_{2(aq)} supplied with a dropper.
6. Means of heating.

NB:

1. Solution A is prepared by dissolving 50.0ml of 1.84g/cm³ concentrated sulphuric acid in 600cm³ of distilled water and diluting to 1 litre of solution.
2. Solution B – prepared by dissolving 8.0g of anhydrous sodium carbonate in 500cm³ distilled water and diluting to 1 litre solution.
3. Solution C – prepared by dissolving 60g of NaOH in 700cm³ of distilled water and diluting to 1 litre of solution.
4. Solution E is prepared by dissolving a mixture of Al(NO₃)₃ and NH₄Cl (10 grammes each) to 1 litre.