KILUNGU DISTRICT FORM 4 ENTRANCE EXAM

233/3 CHEMISTRY PRACTICAL

CONFIDENTIAL

Each candidate must be provided with:-

1. 150 cm3 of solution A
2. 150cm3 of solution B
3. 2.0g of solid M
4. Burette
5. Pipette
6. Pipette filler
7. Conical flasks 2 pieces
8. 100ml measuring cylinder
9. 200cm3 distilled water
10. 3.0g of solid K (weighed accurately)
11. Thermometer ( 0 – 1000C)
12. Test tube holder
13. Solid Q about 1g
14. 20cm tissue paper
15. Stop watch/wall clock

In addition the candidate should have access to:-

* Ammonia solution supplied with a dropper
* 2M Sodium hydroxide supplied with a dropper
* 0.1M Barium Nitrate supplied with a dropper
* 2.0M Hydrochloric acid supplied with a dropper
* Hot water bath (150cm3 tap water heated using 200ml or 250ml beaker)
* Methyl Orange indicator supplied with a dropper

**Preparations**

1. Solution A: 21.5cm3 of Conc. Hydrochloric acid in 1 litre solution.
2. Solution B: 1g of NaOH in 1 litre solution.
3. Solid M: Mixture of CaCO3 and CaCl2 in the ratio 3:1
4. Solid K: Naphthalene powder.
5. Solid Q: Magnesium Sulphate

**Note**

Mind about the source of solid K Naphthalene.