

CONFIDENTIAL

In addition to other laboratory fittings each candidate requires

1. Solution B (100cm³)
2. About 100cm³ of solution C
3. Solid H – 2g exact mass
4. About 1g of solid B
5. About 1g of solid L
6. Burette
7. Pipette
8. Stop watch
9. Thermometer
10. Boiling tube
11. 4 test tube
12. Distilled water in a wash bottle
13. 250ml volumetric flask
14. Universal indicator chart
15. Two conical flasks
16. Tile
17. 100ml plastic beaker

Access to

1. 2M sodium hydroxide
2. 2M ammonia solution
3. Barium Nitrate solution
4. 2M sulphuric(vi) acid
5. Phenolphthalein indicator
6. universal indicator solution

Each should be supplied with a dropper

Preparation

- Solution B is 0.1M NaOH
- Solution C is 2M HCl
- Solid H is prepared by mixing sodium carbonate crystals and sodium chloride crystals in a ratio of 3:1 respectively and mixed thoroughly to obtain homogenous mixture.
- Solid B is zinc sulphate
- Solid L is maleic acid or any unsaturated organic acid.

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