

233/3

CHEMISTRY

PAPER 3

(PRACTICAL)

CONFIDENTIAL:

Each candidate should be provided with:

In addition to fittings and substances contained in a chemical lab the following should be provided:

1. About 120cm³ of solution A – 2M hydrochloric acid.
2. About 120cm³ of solution B – 2M sodium hydroxide
3. 2g of dustless cut the chalk into one piece which must weigh 2g exactly labeled solid P. **STRICTLY** Buy the Omega type.
4. Stop watch or clock.
5. 1 pipette.
6. 3 conical flasks.
7. 1 burette.
8. 1 measuring cylinder (100ml)
9. 1 10cm³ measuring cylinder
10. 1 boiling tube.
11. 6 test tubes.
12. A funnel.

13. Solid L (lead (IV) oxide) - 0.2g (about)
14. Wooden splint.
15. Filter paper.
16. Concentrated nitric acid 5ml.
17. Spatula.
18. Sodium carbonate – 1 spatula endful.
19. Solid H (malleic acid) – 0.2g (about).
20. Copper (II) oxide – 0.2g.
21. Acidified potassium permanganate solution.
22. Acidified potassium chromate (VI).
23. A universal indicator paper.
24. Dropper.
25. 6 Labels.

Access to the following:

1. 250cm³ distilled water 5ml.
2. Dilute hydrochloric acid 5ml.
3. Phenolphthalein indicator 5ml.
4. 2M sodium hydroxide 5ml.
5. 2M ammonia solution 5ml.
6. Calcium hydroxide solution 5ml.
7. Glass rod.
8. pH chart.

