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CHEMISTRY

PAPER 3

(PRACTICAL)

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. 25ml pipette.
7. Pipette filler.
8. 250cm³ volumetric flask.
9. 50ml measuring cylinder.
10. Thermometer (-10°C – 110°C)
11. 2- Conical flasks.
12. 100ml plastic beaker.
13. Accessible to about 500cm³ of distilled water.
14. Means of labeling.
15. Solid X – 0.5g of anhydrous Ca(OH)₂.

16. Solid Y – 0.5g of Maleic acid.
17. Blue and red litmus papers.
18. A boiling tube.
19. Test tube holder.
20. 6 test tubes.
21. 10cm³ measuring cylinder.
22. Filter paper and filter funnel.
23. Glass rod.
24. Metallic spatula.

B. Accessible to the following.

1. Source of heat.
2. 2M sodium hydroxide solution.
3. Acidified KMnO₄ solution.
4. Bromine water.
5. Phenolphthalein.
6. 2M hydrochloric acid solution.
7. Universal indicator solution with chart.

NB: All the bench solution above be supplied with a dropper.