

233/3

**CHEMISTRY
PAPER 3
(PRACTICAL)****CONFIDENTIAL:****Requirements for each candidate:**

1. 50cm³ of a saturated solution of sodium oxalate, solution A.
2. 150cm³ of 0.02M potassium manganate (VII), solution B.
3. 100cm³ of 0.1M ammonium iron (II) sulphate, solution C.
4. 50cm³ of 1M sulphuric (VI) acid.
5. Burette.
6. Pipette and pipette filler.
7. 2 conical flasks.
8. 10ml measuring cylinder.
9. 100ml measuring cylinder.
10. Filter funnel.
11. Thermometer.
12. Distilled water about (500cm³)
13. Label.
14. White tile.
15. Liquid F about 10cm³
16. 0.5g of solid G in a stoppered container.
17. Metallic spatula.
18. About 500cm³ of distilled water.
19. About 0.2g of NaHCO₃
20. 6 test tubes.
21. One B. tube.
22. Red and blue litmus paper.
23. One filter paper watchman no.1 125mm.

Access to:

1. 2M sulphuric (VI) acid.
2. 2M sodium hydroxide.
3. 2M hydrochloric acid.
4. Bromine water.
5. Acidified potassium dichromate (VI).
6. Source of heat.

NOTE:

- Liquid F is liquid paraffin.
- Solid G is barium hydroxide.
- Solution A is prepared.