

CHEMISTRY MOKASA I 2021 CONFIDENTIAL

In addition to the apparatus and the fittings found in the chemistry laboratory, each candidate will require the following.

1. One Burette, 0-50ml.
2. One 25ml Pipette.
3. Two 250ml Conical Flask
4. One complete Retort Stand
5. One White Tile
6. One Pipette Filler
7. Six Test-tubes
8. Two Boiling tubes
9. Wash bottle filled with distilled water
10. One metallic spatula.
11. About 1g of solid sodium hydrogen carbonate.
12. Thermometer.
13. 120cm³ solution A.
14. 120cm³ solution B.
15. Distilled water in a wash bottle.
16. Solid R.
17. Solid Q.
18. Solid F.

ACCESS TO

1. Source of heat.
2. Acidified Potassium Manganite (VII)
3. Bromine water
4. Sodium sulphate solution
5. Aqueous sodium hydroxide solution.
6. Aqueous ammonia solution
7. Acidified barium nitrate solution

NOTES

- Solid **R** is 2.0g Potassium chlorate, KClO₃ crystals.
- Solution A is prepared by dissolving exactly 39.2g of FeSO₄(NH₄)₂SO₄.nH₂O in 600cm³ of distilled water and dilute with distilled water to one litre.
- Solution B is prepared by dissolving 3.0g of KMnO₄ in 400ml of 2M H₂SO₄ and diluting with distilled water to one litre.