

TERM 2 - 2023
CHEMISTRY
FORM THREE (3) – 233/3
CONFIDENTIAL

In addition to the apparatus found in a laboratory, each candidate will require;

1. About 0.5 g of solid F
2. About 1.0 g of solid G
3. 6 clean test tubes
4. Universal indicator solution and a full-range pH chart
5. A clean and dry metallic spatula
6. A glass rod
7. One boiling tube
8. Distilled water in a wash bottle
9. Solution J, about 130 cm³
10. Solution Q, about 160 cm³
11. Solution R, about 30 cm³
12. Methyl orange indicator
13. 100 ml measuring cylinder
14. 10 ml measuring cylinder
15. Filter paper
16. Two labels
17. 100 ml beaker

Access to the following

1. 2M barium nitrate solution
2. 2M sodium hydroxide solution
3. 2M nitric (V) acid
4. Bromine water
5. Source of heat

Note:

- Solution J is 0.12M HCl.
- Solution Q is prepared by adding 5.3 g of anhydrous sodium carbonate in enough distilled water and making it up to one litre of solution.
- Solution R is made by dissolving 15.75 g of hydrated barium hydroxide in enough distilled water and making it up to one litre of solution.
- Solid F is 0.5 g of maleic acid.
- Solid G is 1.0 g of sodium sulphite.