

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.

