

**CONFIDENTIAL TO SCHOOLS**

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

1. Solutions Q – 90cm<sup>3</sup>
2. Solid T<sub>1</sub> – 3.2g weighed accurately (in stoppered container)
3. Pipette (25 cm<sup>3</sup>)
4. Pipette filler
5. Burette
6. thermometer
7. 1 label
8. White tile
9. 500cm<sup>3</sup> of distilled water
10. Measuring cylinder (10ml)
11. 250ml volumetric flask
12. 2 conical flask (250 ml)
13. 6 dry test tubes
14. 2 boiling tubes
15. 1 metallic spatula
16. Test-tube holder
17. Solid R in a stoppered container
18. Solid M in a stoppered container
19. Universal indicator paper
20. PH Chart
21. About 1g of sodium carbonate
22. Retort stand(complete)

**BENCH SOLUTIONS WITH DROPPERS**

1. 2M sodium hydroxide
2. Sodium carbonate solution
3. Sodium sulphate solution
4. Silver nitrate solution
5. Barium nitrate
6. Dilute nitric (v) acid
7. acidified potassium manganate (vii)
8. source of heat

**NOTE:**

- Solution Q is 0.2M sodium hydroxide
- Solid T<sub>1</sub> is hydrated ethanedioic acid (H<sub>2</sub>C<sub>2</sub>O<sub>4</sub>.n H<sub>2</sub>O)
- Solid R and solid N will be provided by the council.