

CONFIDENTIAL

INSTRUCTIONS TO SCHOOLS

Apart from the common laboratory apparatus and chemicals, each candidate will require the following:-

A.

- Two 100ml beakers
- One 10ml measuring cylinder
- One burette 0 – 50ml
- One pipette 25ml and pipette filler
- Six dry test tubes and one test tube holder.
- One thermometer
- One metallic spatula
- One boiling tube
- About 2g of
 - Sodium chloride solid
 - Potassium chloride solid
 - Calcium chloride solid
 - Barium chloride solid
- About 3g of solid G
- 5 labels

B. Access to:

- Source of heat
- Distilled water
- Litmus papers
- 2M NaOH(aq) solution
- Barium Chloride solution
- Acidified Potassium Manganate (VII) solution.

C. Further Information;

- Solid G – Sodium Sulphite.
- Solid P – Oxalic Acid ($\text{H}_2\text{C}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$)