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CHEMISTRY

PAPER 3

PRACTICAL

CONFIDENTIAL

Each student requires:

- Spatula.
- 2.0g solid P
- 6 test tubes.
- Litmus paper.
- Wooden splint.
- 2.0g solid R.
- 2.0g solid G.
- 2.0g solid M
- 2 boiling tube.
- 10.0cm<sup>3</sup> liquid S.
- 2.0g sodium hydrogen carbonate.
- 4.5g of solid A in a boiling tube.
- 150cm<sup>3</sup> solution B, 0.06M acidified potassium manganate (VI).
- One burette.
- One pipette.
- Thermometer ( -10 – 110°C )
- Test tube holder.
- Distilled water
- 250 ml volumetric flask.

- Label.

**ACCESS TO:-**

- Source of heat
- Acidified potassium chromate (VI)
- 0.5M barium nitrate
- 2.0M hydrochloric acid.
- Wire gauge.
- Tripod stand

**NOTES:-**

- Solid P is lead (II) nitrate.
- Solid R is ammonium carbonate.
- Solid G is ammonium chloride.
- Solid M is sodium sulphate.
- Liquid S is ethanol.
- Potassium chromate (VI) is prepared by dissolving 5.0g of solid potassium chromate (VI) in 500cm<sup>3</sup> of 1M sulphuric (VI) acid.
- All solutions should be supplied with droppers.
- Solution B , 0.06M acidified potassium manganate (VII) is prepared by dissolving 9.48g of potassium manganate (VII) crystals in 400.0cm<sup>3</sup> of 2.0M H<sub>2</sub>SO<sub>4</sub> and diluting with distilled water to a litre.
- Solid A is oxalic acid.