TEACHER.CO.KE SERIES 13

233/3

CHEMISTRY PRACTICAL

CONFIDENTIAL

CHEMISTRY PAPER 3 INSTRUCTIONS

Requirements per candidate

- 4.5g of solid A (oxalic acid) weighed accurately and placed in a boiling tube.
- About 100cm^3 of solution B, 0.06M acidified KMno4
- Thermometer (-10 – 110^{0}C)
- 50ml burette
- 25ml pipette
- Pipette filler
- 250ml volumetric flask
- 2 lables
- 20cm^3 of 2m nitric acid
- 10cm^3 of solution P
- 2 filter papers
- 3 conical flasks
- 1 filter funnel
- About 1g of $NaHCO^3$
- About 500cm^3 of distilled water in a wash bottle
- 30cm^3 of 2M NaOH
- 10ml or 50ml measuring cylinder
- 6 test tubes

Access to:

- 2M NaOH
- 2M NH4OH
- 2M nitric acid
- 0.1M potassium iodide solution
- Acidified Barium nitrate
- 10% bromine water

Notes

- Solid A is Oxalic acid
- Solid G is Maleic acid
- Solution P is a mixture of copper II sulphate and aluminium sulphate
  It is prepared by mixing two grams of each in water to make 20cm^3 of solution. (Prepare as per the number of candidates)
- Solution B is prepared by dissolving 9.48 grams of potassium manganate VII in 200cm^3 of 2M sulphuric acid and diluting to 1L of solution with distilled water.