MANGU MOCK TRIAL 3

CHEMISTRY

233/3

PAPER 3

TIME: 2¼ HOURS

SCHOOL…… **SIGN……**

CONFIDENTIAL

INSTRUCTIONS TO ALL SCHOOLS

Requirements:

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

- About 100cm^3 solution A
- About 100cm^3 solution B
- A 6cm long piece of magnesium ribbon
- A 30cm ruler
- One 250ml volumetric flask
- Means of heating
- 50ml measuring cylinder
- One 10ml measuring cylinder
- 2 dry conical flasks
- One 100ml beaker
- Stop watch
- About 500cm^3 distilled water supplied in a wash bottle
- One boiling tube
- 6 test tubes in a rack
- About 0.1g of sodium carbonate
- 0.5g Solid K
- Means of heating
- 1g Solid N
- One burette 0 -50ml
- One pipette 25ml
- One filter paper and filter funnel
- Six label

ACCESS TO:

- Bunsen burner
- Methyl indicator
- 2M aqeous sodium hydroxide
- 2M aqeous potassium iodide
- 2M nitric acid
- Bromine water
- Universal indicator and pH chart
- Acidified potassium manganate (vii) solution

NOTES:

- Solution A is prepared by dissolving 110cm^3 of concentrated sulphuric (VI) acid in 500cm^3 of distilled water and making one litre of solution using distilled water and labelled solution A
- Solution B is made by dissolving 10.4g of potassium carbonate (K_2CO_3) in 500cm^3 of distilled water and making to one litre of solution using distilled water and labelled solution B
- Magnesium ribbon should be cleaned with sand paper before issuing to students. Each student requires 6cm long piece.
- Solid K (maleic acid)
- About 1.0g of solid N (mixture of $Pb(NO_3)_2$ and $PbCO_3$ in equal parts)