KAKAMEGA SOUTH SUB - COUNTY EVALUTION TEST -2016

Chemistry confidential

- About 50cm^3 of solution Q
- About 100cm of solution R
- About 100cm^2 of solution P
- Distilled water
- 100 ml measuring cylinder
- One burette
- one pipette
- Filter funnel
- Complete stand
- Phenol phthalein indicator.
- White tile
- 250cm^3 plastic beaker
- 50ml measuring cylinder
- 3.5g of solid FA1
- 100CM^3 OF solution FA_2
- Thermometer
- About 2g of solid H
- Source of heat
- Blue and red litmus paper.
- 2M NaoH
- Concentrated HNO_3
- $Bacl_2$
- 2M Hcl

- About 2g of substance V
- Test tube rack
- 9 test tubes
- 2 boiling tubes
- Metallic spatula
- Universal indicator.
- PH-Chart
- Acidified potassium manganate (VII)

Preparation of solution

- Solution P is solution of 0.2M hydrochloric acid
- solution Q is prepared by dissolve 64g of sodium hydroxide pellets in 1 litre of water and make 1.6M of NaoH
- Solution R is a solution containing 49g/l of sulphuric acid
- Acidified potassium manganate VII is prepared by adding 3.16g of $KMnO_4$ in $400cm^3$

  Of 2m H_2SO_4 and making the solution to one litre.
- Solid V is maleic acid
- Solid H is hydrated Iron (II) Sulphate.
- FA_1 is and Anhydrous Na_2CO_3