

**233/3**

**CHEMISTRY**

**PAPER 3**

**TIME: 2 HOURS 15 MINUTES**

**2021 TRIAL 3 OCT/N0VEMBER INTERNAL EXAMINATION**

***Kenya Certificate of Secondary Education (K.C.S.E.)***

**CHEMISTRY PAPER 3 233/3**

**CONFIDENTIAL OF REQUIREMENTS**

* Burette
* Pipette
* 2 conical flasks
* 120cm3 of 2.0M NaoH labelled B
* 100cm3 0f 0.2M H2SO4 labelledA
* 250cm3 volumetric flask
* A label
* Pipette filter
* Stand and clamp
* 500cm3 distilled water
* Phenolphthalein indicator
* 100cm3 plastic beaker
* Thermometer
* 10cm3 measuring cylinder
* 100cm3 measuring cylinder
* 50cm3 2.0M HCl , Solution D
* 50cm3 2.0M NaoH
* 6 test tubes in a test tube rack
* 0.2g of solid N (Al2(SO4)3]

**REAGENTS**

* 2M NaoH
* 2M NH4OH
* Ba (NO3) 2solution
* 2M nitric acid
* Potassium iodide solution