**CHEMISTRY CONFIDENTIAL MECS TERM ONE 2021**

1. Each candidate should be provided with:

* 100cm3 of solution M2
* 80cm3 of solution M1
* Pipette
* Burette
* 2 conical flasks
* Filter funnel
* Pipette filler
* Methyl Orange Indicator
* Thermometer – 10 -1100 C
* 200cm3 of distilled water
* 6 test tubes in a rack
* 2 boiling tubes
* Test tube holder
* About 1g of solid W in a stoppered container.
* About 1g of X in a stoppered container.
* 0.5g of NaHCO3
* 5.0g of solid T
* 250ml glass beaker
* spatula
* 10ml measuring cylinder

**ACCESS TO**

* Source of heat
* Methyl orange indicator, supplied with a dropper
* Na2SO4 supplied with a dropper
* 2M NaOH supplied with a dropper
* 2M NH4OH supplied with a dropper
* Acidified potassium Manganate (VI1)
* Lead Nitrate solution
* Acidified Barium Nitrate Solution
* Universal Indicator
* PH Colour Chart
* Bromine Water

NOTE:

* Solid X is Maleic Acid
* Solid W Aluminium sulphate
* Solution M1 is prepared by mixing 53g of Na2CO3 solid and 42g of NaCl and diluting it to one litre
* Solution M2 is 1.0M HCl.
* Solid T is 5g Oxalic Acid