

**MARANDA HIGH SCHOOL**

***Kenya Certificate Of Secondary Education***

**THE 2024 MOCK EXAMINATION**

**233/3 CHEMISTRY PAPER 3**

**June, 2024**

**CONFIDENTIAL**

233/3

CHEMISTRY (Practical)

In addition to the fittings and chemicals found in chemistry laboratory, each student/candidate will require the following

1.0.3 g of Solid A (weighed accurately and supplied in a stopper container)

2.70cm3 of solution B

3.100cm3 of solution C

4.0.5g of solid E in a stopper container

5.1g of solid F in a stopper container

6.About 500cm3 of distilled water

7.One 25ml pipette

8.One 50ml burette

9.One 100ml plastic beaker

10.One Thermometer (-10 0C to -110 0C)

11.One stopwatch/clock

12.Two 250 ml conical flask

13.One 250 ml Volumetric flask

14.Six dry test tube in a rack

15.Two boiling tubes

16.One metallic Spatula

17.About 0.5g of solid NaHCO3

18.Two Filter papers

19.One filter funnel

20.clamp and stand

21.One label

22.10ml measuring cylinder

Access

1.Methly Orange indicator

2.Bunsen burner

3.2.0 M Sulphuric(VI)acid

4.2.0M NH3(aq)

5.2.0 M HNO3(aq)

6.2.0M NaOH(aq)

7.Aqueous BaCl2(aq)

8.H+/KMnO4(aq)

Preparations

1.Solution B-Prepared by adding 172.0cm3 of concentrated HCl of specific density 1.18/cm3, to 500cm3 of distilled water in a one litre Volumetric flask then adding distilled water to the mark. Label this as solution B

2. solution C -Sodium Carbonate-Prepared by placing 15.9g of anhydrous sodium carbonate in one litre volumetric flask, add 800cm3 of distilled water and shaking to dissolve all the solid, then adding distilled water to the mark. Label this as solution C.

3.Solid E is Octadecanoic acid

4.Solid F is a mixture of MgSO4 and ZnCO3 in the ratio of 1:1