MWAKICAN TERM 1 2016

FORM 3 CHEMISTRY PAPER 3 CONFIDENTIAL 133/3

In addition to the fittings and chemicals found in a chemistry laboratory each candidate will require the following.

1 Complete stand

2 Burette,pipete,white tile

3 filter funnel

4 2 filter papers

5 100ml beaker

6 2 conical flasks

7 A bond 80cm3 solution D which is acidified potassium manganate(VII)

8 Solution E which is (NH4)2SO46.FeS04.6H2O

9 Distilled water

10 50ml measuring cylinder

11 Stirring rod

12 250ml volumetric flask

13 l label

14 About 80cm3  Solution Z which is hydrochloric acid

15 Solid Y which is sodium carbonate

16 Solid P

17 10ml measuring cylinder

18 4 test tubes and a test-tube rack

19 Spatula

20 Test-tube holder

21 2 boiling tubes

22 Solid R

23 I blue and 1 red litmus papers

24 I wooden splint

**Acess to**

1 Means of heating

2 Sodium sulphate solution

3 1M Sulphuric(VI) acid

4 Methyl orange indicator

 Preparations

1 Solid P – 1 spatula copper(II) oxide

2 Solution D – 0.019M KMnO4

 Prepare 2M H2 SO4 110cm3 of acid in a litre

 then add 3.0g of KMnO4

3 Solution E – 0.06m ammonium iron(II) sulphate

 23.5g in a litre.

4 Solid Y - 1g of anhydrous sodium carbonate each

5 Solution Z - 0.125M hydrochloric acid

 8.9cm3 of acid in a litre

 6 Solid R - 1 spatula lead(II) nitrate

7 Sodium sulphate - A bout 0.1M

8 1M Sulphuric(vi) acid - About 55cm3 of acid in a litre