**3KNT ALLIANCE JOINT EXAMINATIONS – 2017 FORM FOUR**

**CHEMISTRY PRACTICAL**

**PAPER 3**

**CONFIDENTIAL**

**Requirements for candidates.**

In additions to the fitting and apparatus that are commonly used in Chemistry laboratory each candidate requires:

1. 50m burette

2. 25ml pipette

3. 2 conical flasks

4. 100cm3 of solution C

5. 100cm3 of solution C2

6. White tile

7. Stand and Clamp

8. 5g of solid K (exactly)

9. 10ml measuring cylinder

10. 250ml glass beaker

11. 2 boiling tubes

12. Thermometer

13. Means of heating

14. Distilled water

15. 3g of solid F

16. 3g of solid P

17. Metallic spatula

18. Filter paper

19. Filter funnel

20. Stirring rod.

Access to:

1. 2M NaOH

2. 2M NH4OH

3. 0.25M Pb(NO3)2

4. 0.25M BaCl2

5. 2M HCL

6. Phenophthalean

7. Concentrated H2SO4

8. Acidified KMnO4

9. Ethanol

**Preparation of solutions/solids**

Solid K – Potassium Chlorate (V)

ii) Solution C1 is prepared by dissolving 10.08g of oxalic acid in about 500cm3 and making the solution to the mark of 1 litre.

iii) Solution C2 is prepared b dissolving 8g of NaOH pellets in bout 500cm3 of distilled water and make it to 1 litre

iv) Solid F is a mixture of CuCO3 and ZnSO4 in the ratio o f 4:3 by mass.

v) Solid P is oxalic acid.