**CONFIDENTIAL CHEMISRY FORM 3**

1. Each candidate is expected to have the following:

(a) 4.69g (weighed accurately) of solid Q.

(b) 150cm3 of solution P

(c) 100cm3 of solution R

(d) 50cm3 burette

(e) 25cm3 pipette

(f) Phenolphthalein indicator

(g) Label

(h) Test tube rack and 6 test-tubes

(i) 10ml measuring cylinder

(j) 0.2g of solid Z

2. **Access to**

1. Distilled water

2. 2M hydrochloric acid -with dropper

3. 2M sodium hydroxide - with dropper

4. 2M aqueous ammonia - with dropper

5. 0. l M potassium iodide - with dropper

6. 0.25M Sodium sulphate

7. 0.25M Barium chloride with dropper

8. Bunsen burner (source of heat)

9. Acidified Potassium Manganate(VII) solution with a dropper

NOTES

1. Solution R is 1M sodium hydroxide. It is prepared by dissolving 40g of NaOH in about 500cm3 of distilled water and topping it upto 1 litre with distilled water
2. Solution P is 2M hydrochloric acid. It is prepared by dissolving 200cm3 of the concentrated acid in about 500cm3 of distilled water topping it upto 1 litre with distilled water.
3. Solid Z is Lead (II) nitrate.
4. Liquid K is Xylene