**MOKASA 2 EXAMINATIONS.**

**JULY/AUGUST- 2019**

**CHEMISTRY 233/3**

**PRACTICAL CONFIDENTIAL**

Each candidate should have the following:

1. Exactly 5.0g of **solid A** – Oxalic acid

2. **Solution B** – 0.07M Acidified potassium Manganate (VII)

3. Burette 50ml

4. Pipette filler

5. Pipette 25ml

6. Thermometer (-10-110)oC

7. 10cm3 measuring cylinder

8. 2 conical flasks

9. 250ml volumetric flask

10. Means of labeling

11. 1g of **Solid P** – mixture Ammonium sulphate and Lead Carbonate in the ratio of 1:1

12. 10cm3 of **Solution Q** – 0.5M Oxalic acid Solution.

13. Source of heat.

14. Wooden splint.

15. Test tube holder.

16. Filter paper.

17. Filter funnel.

18. 6 test tubes.

19. 2 Boiling tubes.

20. 0.5 cm Mg ribbon.

21. PH Chart.

22. Universal indicator paper.

23. Blue and Red litmus papers

24. Distilled water in a wash bottle.

**Accessible to the following.**

1. 2M sodium hydroxide solution with dropper
2. 2M Ammonia solution with dropper
3. Freshly prepared Bromine water with dropper
4. 2M Nitric (v) acid with a dropper
5. Acidified potassium manganate (VII) with a dropper
6. Lead Nitrate solution with a dropper.
7. Acidified Barium Nitrate solution with dropper.
8. Means of heating.
9. Potassium Iodide solution with dropper.