

NANDI NORTH AND NANDI CENTRAL JOINT EXAMINATIONS 2016**233/3****CHEMISTRY****PRACTICALS****CONFIDENTIAL INSTRUCTIONS TO SCHOOLS**

In addition to the apparatus and fittings found in a chemistry laboratory, each candidate will require the following: -

1. About 120cm³ of solution Q – 2M hydrochloric acid.
2. About 120cm³ of solution R – 2M sodium hydroxide.
3. 2g piece dustless chalk (STRICTLY OMEGA TYPE). Cut a piece which must weigh 2g and label it solid S.
4. Stop watch / clock.
5. 1 pipette.
6. 1 burette.
7. 3 250ml conical flasks.
8. 1 measuring cylinder (100ml)
9. 1 measuring cylinder (10ml)
10. 5 test tubes
11. 1 filter paper
12. Filter funnel
13. 1 dropper
14. 250cm³ distilled water.
15. Solid F – Barium nitrate solid.
16. Distilled water.
17. Blue and Red litmus paper.
18. Wooden splint.
19. 10ml measuring cylinder.
20. Boiling tube.
21. 8 clean test tubes.
22. Solid sodium hydrogen carbonate.
23. A small piece of aluminium foil.
24. Test-tube holder.
25. Solid G – maleic acid.

Each student should have access to:-

- Source of heat.
- Acidified potassium manganate (VII) with a dropper.
- Acidified potassium dichromate (VI) with a dropper.
- 0.5M Lead (II) nitrate with a dropper.
- 0.5M Barium nitrate with a dropper.
- 2M sodium hydroxide with a dropper.
- 2M ammonium solution with a dropper.