



THE AMKA CHEMISTRY JOINT EXAMINATION 2025 TERM TWO
233/3 CHEMISTRY PRACTICAL
CONFIDENTIAL TO SCHOOLS

In addition to apparatus and fittings in a chemistry laboratory each candidate will require the following;

1. 100cm³ of solution Q.
2. 500cm³ of Distilled water in a wash bottle
3. Stop watch/clock.
4. Thermometer -10⁰c – 110⁰c.
5. 250ml plastic beaker.
6. 2 boiling tubes.
7. 50ml measuring cylinder.
8. 50ml burette.
9. 25ml pipette
10. Pipette filler.
11. 2 Conical flasks.
12. 250ml Volumetric flask.
13. 3.0g of Solid P.(accurately weighed)
14. Six dry test tubes.
15. 10ml Liquid R.
16. 1g Solid S
17. Test tube holder
18. Metallic spatula
19. 0.2g Solid T
20. Wooden splint
21. Watch glass

Examination Program
Exams: 9th- **15th Jun, 2025**
Marking Venue: OYUGI OGANGO
GIRLS HIGH SCHOOL
(17th – 18th JUNE 2025)

Marking dates may change

ACCESS TO

1. Source of heat.
2. Methyl orange indicator supplied with a dropper.
3. Acidified potassium dichromate (VI) supplied with a dropper.
4. 2M NaOH supplied with a dropper.
5. 2M NH₄OH. supplied with a dropper.
6. Tap water
7. 2M Nitric (v) acid supplied with a dropper.
8. 0.5M BaCl₂ supplied with a dropper.
9. 0.5M Aqueous Lead (ii) nitrate supplied with a dropper
10. 0.5M Aqueous Sodium carbonate

Contact: 0711 866672 or 0722 708913 for further information

PREPARATIONS

1. Solid P is sodium tetraborate (Borax salt), $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$.
2. Solution Q is prepared by dissolving 25.8cm^3 of concentrated hydrochloric acid (specific density $1.18\text{g}/\text{cm}^3$) in 600cm^3 of distilled water and diluting to one litre of solution .
3. Liquid R is absolute ethanol.
4. Solid S is Calcium chloride.
5. Solid T is Sodium carbonate.
6. Acidified potassium dichromate (VI) is prepared by dissolving 25g of solid potassium dichromate (VII) in 400cm^3 of 2M H_2SO_4 acid in a one litre volumetric flask then topping up to the mark with distilled water.