

CONFIDENTIAL

CHEMISTRY - PAPER 3

KCSE TOP KCSE MASTER CYCLE 5

Instructions to schools

In addition to the lab fittings and Apparatus found in the laboratory, each candidate should require;

1. One burette 0-5ml
2. One 20ml pipette
3. Three conical flasks
4. One volumetric flask
5. One complete retort hand.
6. One white tile
7. One pipette filler
8. One test-tube rack
9. Six test tubes
10. Two boiling tubes
11. Filter paper -2
12. Filter funnel -1
13. Measuring cylinder 100ml-1
14. Measuring cylinder 10ml
15. Wash bottle – with water (distiled)
16. One metallic spatula
17. Solution G – 1M HCl
18. Solution H – 0.1M NaOH
19. Solid/metal F – 0.3g Magnesium powder
20. Solid Z – 1 spatula maleic acid in a stoppered container.
21. Solid K – Potassium chlorate 2g KClO_3
22. Solid R – mixture of $\text{Al}_2(\text{SO}_4)_3$ and CuSO_4 at Ratio of 1:1.(Provide 10cm^3 of solution R)
23. Thermometer – 10 to 110°c
24. 1g Na_2CO_3 – In a stoppered container

Access to:

1. Source of Heat
2. Water bath of hot water
3. $2\text{MNaOH}_{(\text{aq})}$
4. $2\text{MNH}_3_{(\text{aq})}$
5. 2M HNO_3

6. 2M HCl
7. 0.5m Barium chloride(acidified)
8. Acidified Potassium Manganate (VII) solution