MASENO SCHOOL MOCK COMMITTEE – 2022.

CONFIDENTIAL

INSTRUCTIONS

Apart from the usual laboratory fittings, each students should have following:

1. 100cm3 of solution A
2. 100cm3 of solution B
3. 100cm3 of solution C
4. About 0.5g of solid E
5. About 0.5g of solid F
6. Distilled water in 500ml wash bottle
7. 2 labels (2)
8. Spatula (metallic spatula)1
9. 50ml measuring cylinder
10. 10ml measuring cylinder
11. One burette 0-50ml
12. One pipette 25ml
13. 2-250 conical flask
14. One 250ml volumetric flask
15. Blue and red litmus paper
16. Stop watch
17. Phenophthalene indicator
18. Two boiling tubes
19. 6- dry test-tubes in a rack
20. Test-tube holder
21. 0.5g of solid sodium hydrogen carbonate
22. Pipette filler
23. White piece of paper
24. Filter funnel

Access to:

2M $NaOH_{(aq)}$
2M $NH_{3(aq)}$
2M $HCl_{(aq)}$
0.5M Ba $(NO_3)_{2(aq)}$ with dropper
$KMnO_4$ | H+ supplied with dropper
$K_2Cr_2O_7$ | H+

NOTES:

1. Solution A is prepared by weighing exactly 172cm^3 of hydrochloric acid (35-37% sp. Gr 1.184)
2. Solution B is prepared by weighing exactly 372g of Sodium thiosulphate pentahydrate and dissolving to make 1dm^3 of solution
3. Solution C is prepared by weighing exactly 4.8g of sodium carbonate dissolve t to make 1dm^3 of solution.
4. Solid E is Hydrated Ammonim Aluminiun sulphate

5. Solid F is maleic acid.