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CHEMISTRY
PAPER 3
(PRACTICALS)
AUGUST/SEPTEMBER 2022

MARANDA HIGH SCHOOL
MOCK EXAMINATION 2022
CHEMISTRY PAPER 3 CONFIDENTIAL – 2022

INSTRUCTIONS TO SCHOOLS

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

A: Each candidate

1. About 80cm³ of **solution L**
2. About 100cm³ of **solution C**
3. About 80cm³ of **solution**
4. One burette 0 – 50 ml
5. One pipette 25.0ml and a pipette filler
6. One Filter funnel
7. 100ml beaker
8. Solid K
9. Two clean dry 250 ml conical flasks
10. Six (6) clean and dry test tubes on a test tube rack
11. One boiling tube
12. 0.2g of solid sodium hydrogen carbonate supplied in a stoppered container
13. About 500cm³ of distilled water supplied in a wash bottle
14. One 250ml volumetric flask
15. 4 filter papers (125mm Whatman no. 1)
16. One 10ml measuring cylinder
17. Seven (7) labels
18. One metallic spatula
19. One test tube holder
20. One stopwatch
21. A white tile
22. About 1.0g of solid E supplied in a stoppered container
23. About 0.5g of solid F supplied in a stoppered container

B: Access to:

1. Phenolphthalein indicator supplied with a dropper
2. Bunsen burner
3. 2.0M aqueous ammonia supplied with a dropper
4. 2.0M sodium hydroxide solution supplied with a dropper
5. Bromine water supplied with a dropper
6. 0.5M Barium (II) nitrate solution supplied with a dropper

C: Preparation of solutions and solids

1. **Solution L** is prepared by accurately adding 172cm^3 of concentrated hydrochloric acid (density 1.18gcm^3) to about 500cm^3 of distilled water and diluting with distilled water to make one litre solution.
2. **Solution C** is prepared by dissolving 8.0g of sodium hydroxide in 700cm^3 of distilled water and diluting it to one litre.
3. **Solid E** is a mixture of zinc carbonate and magnesium sulphate in the ratio 1:1
4. **Solid F** is sodium benzoate
5. **Solid K** is 6 cm long Magnesium ribbon