ASUMBI GIRLS HIGH SCHOOL

PRE-MOCK

MAY-JUNE

2022

**CHEMISTRY**

Paper 3

**CONFIDENTIAL INSTRUCTIONS**

In addition to the apparatus and reagents found in a Chemistry laboratory each candidate will require the following :

1. About 50cm3 of solution B
2. About 150cm3 of solution C
3. One pipette 25ml
4. One pipette filler
5. One burette 0 - 50ml
6. Two conical flasks - 250ml
7. One 10ml measuring cylinder
8. One 100ml measuring cylinder
9. 100ml empty beaker
10. 250ml volumetric flask
11. Six test tubes
12. One thermometer -10oC to 110oC
13. One boiling tube
14. About 500cm3 of distilled water supplied in a wash bottle
15. Two labels
16. About 1g of solid F in a stoppered container
17. About 0.2g of solid sodium hydrogen carbonate
18. One blue and one red litmus paper
19. About 6cm3 of liquid P
20. Test tube holder

**Access solution**

1. Acidified lead (II) nitrate supplied with a dropper.
2. Aqueous Barium (II) chloride supplied with a dropper.
3. Phenolphthalein supplied with a dropper.
4. Acidified potassium dichromate (VI) supplied with a dropper
5. Bunsen burner
6. Sodium hydroxide solution
7. Hydrogen peroxide

**Solutions preparations**

1. Solution C is prepared by dissolving 6.87cm3 of concentrated sulphuric (VI) acid in 200cm3 of distilled water and made up to 1000cm3 of solution with distilled water. Label this as solution C.
2. Solution B is prepared by dissolving 80g of NaOH in about 600cm3 of distilled water and diluting to

one litre of solution. Label this as solution B.

1. Barium chloride is prepared by dissolving 30g of solid Barium chloride in about 600cm3 of distilled

water and diluting to one litre of solution. Label thin as aqueous barium nitrate.

1. Acidified potassium dichromate (VI) is prepared by dissolving 25g of potassium dichromate (VI)

crystals in about 200cm3 of 2M sulphuric (VI) and diluting with distilled water to one litre of solution.

1. Liquid P : Ethanol
2. Solid F: iron (II) Sulphate