**PAVEMENT FORM 4 TRIAL 2 2021/22**

**CHEMISTRY PAPER 3 CONFIDENTIAL PRACTICAL**

**INSTRUCTIONS**

***Each candidate should be provided with the following:-***

1. Burette
2. Pipette
3. Two conical flasks
4. 10 ml measuring cylinder
5. Funnel
6. Phenolphthalein indicator
7. Universal indicator
8. Solution H – 100 cm3 0.02 M acidified potassium manganate (VII)
9. Solution M 100cm3
10. Solid Z
11. Distilled water in wash bottle
12. 250 ml glass beaker
13. Stop watch or wrist watch
14. 6 test tubes on a test tube rack
15. One boiling tube
16. Solid W (one spatula full)
17. Solid B (one spatula full)
18. 2M aqueous ammonia bench solution
19. Means of heating
20. Metallic spatula
21. 0.1 M Ba(NO3)2 bench solution
22. 0.1 M acidified potassium manganate (VII) bench solution
23. 0.1 M acidified potassium dichromate (VI) bench solution
24. 2M HCl bench solution

Notes on preparations:-

* Solution M made by dissolving 1.0 g of sodium hydroxide in 250 ml of distilled water.
* Solution H – 100 cm3 0.02 M acidified potassium manganate (VII)
* Solid W = sodium sulphite
* Solid B = Carboxylic acid (oxalic)
* Solid Z = 1.60 g of oxalic acid