

FORM 3 CHEM PP3
END OF TERM 1 EXAM 2022
CONFIDENTIAL

Question one

In addition, to the common laboratory apparatus and fittings, each candidate should be provided with:

- About 80cm³ of solution R
- About 100cm³ of solution Q
- 1.06g of solid A accurately weighed
- 25ml pipette
- 50ml burette
- 250ml volumetric flask
- 100ml plastic beaker
- Three conical flasks
- Labels
- 50ml measuring cylinder
- Metallic spatula
- source of heat
- boiling tube
- six dry test tubes

Access to methyl orange

Solid A is anhydrous sodium carbonate

Question two

Solid J (2g) (each student) – prepared by mixing zinc sulphate and ammonium sulphate in the ratio 1:1

- 2 M sodium hydroxide solution
- 2M ammonium hydroxide solution
- 2M lead (ii) nitrate solution
- 2 M nitric (IV) acid