

**CHEMISTRY
PRACTICAL
JUNE 2017
KASSU JET**

INSTRUCTIONS TO SCHOOLS:

In addition to usual provisions and fitting in the science laboratory each candidate is expected to have the following.

- One pipette
- One burette
- One pipette filler
- About 60 cm³ of solution A
- About 100 cm³ of solution B
- 3 cm of solid C (magnesium ribbon)
- Two 250ml conical flask
- One boiling tube
- 10ml measuring cylinders
- A stop watch/clock
- 500ml distilled water provided in wash bottle
- Means of labeling
- One 100ml glass beaker
- About 1.0g of solid F
- Metallic spatula
- Filter paper
- One filter funnel
- At least 5 dry clean test tubes
- 2 dry boiling tubes
- Acidified potassium chromate (VI) solution
- Acidified potassium manganate (VII)
- Bromine water
- Solid T (maleic acid about 2g)
- -10-110 °C thermometer

Access to:

- Source or means of heating
- 2M NaOH supplied with a dropper
- 2M NH₄OH supplied with a dropper
- Potassium iodide solution
- Dilute nitric v acid
- Universal indicator paper and a pH chart
- 1 cm of magnesium ribbon

Notes

- Solution A is 0.7 M sulphuric (VI) acid
- Solution B is 0.5 M sodium hydroxide
- Solid F is a mixture of sodium sulphite and lead (II) carbonate in the ratio 1:1
- Solid T is maleic acid