

1. The description of reagents and chemicals specified below does **not** necessarily correspond with the description in the question paper. Candidates must **not** be informed of the differences.
2. Candidates are **not** allowed to use reference books (i.e. text books, booklets on qualitative analysis etc.) during examination.
3. In addition to the fittings and substances ordinarily contained in a chemistry laboratory, each candidate will require;
 - 1 burette (50 cm³).
 - 1 pipette (25.0 or 20.0 cm³).
 - 2 conical flasks (each 250 ml).
 - 1 thermometer.
 - 1 stop clock.
 - 1 measuring cylinder (100 ml or 50 ml).
 - 6 test tubes.
 - 2 plastic beakers.
 - 2 labels.
 - 50 cm³ of **BA1**.
 - 70 cm³ of **BA2**.
 - 3g of **Q**.

Easy access to:

- Heat source,
- Common reagents for identifying cations, anions and gases,
- Phenolphthalein and methyl orange indicators,
- Distilled water.

BA1 is prepared by dissolving 16 g of **U** in distilled water to make one litre of solution.

BA2 is prepared by diluting 12.8 cm³ of concentrated hydrochloric acid (36 %, 1.18 g cm⁻³) with distilled water to make one litre of solution.

Substances **Q** and **U** will be provided by **UNEB**.