

In addition to the fittings and chemicals found in a chemistry laboratory, each candidate will require the following:

1. About 170 cm³ of **solution A**
2. About 100 cm³ of **solution B**
3. 0.2g of solid C weighed accurately and supplied in a stoppered container
4. About 75 cm³ of **solution D**
5. 0.6 g of solid F in a stoppered container
6. 0.5g of solid G in a stoppered container
7. 0.2 g of sodium hydrogen carbonate in a stoppered container
8. 2 cm³ of acidified potassium dichromate(VI) in a test tube
9. 4 cm³ of 2 M sulphuric(VI) acid in a test tube
10. About 500 cm³ of distilled water in a wash bottle
11. One 25 ml pipette and a pipette filler
12. Two 250 ml conical flasks
13. One 50 ml burette
14. One 100 ml measuring cylinder
15. One 10 ml measuring cylinder
16. One 100 ml plastic beaker
17. One thermometer(-10°C-110°C)
18. One stopwatch/clock
19. One 250 ml volumetric flask
- 20 Six **dry** test tubes on a test tube rack
21. One test tube holder
22. Two boiling tubes-
- 23 One filter funnel
24. One label
25. Two pieces of blue litmus papers

Access to:

1. Phenolphthalein indicator supplied in a dropper bottle
2. 2 M aqueous sodium hydroxide supplied with a dropper
3. 2 M aqueous ammonia supplied with a dropper
4. 2 M aqueous sodium chloride supplied with a dropper
5. Aqueous barium nitrate supplied with a dropper
6. 2 M nitric(V) acid supplied with a dropper
7. Bromine water freshly prepared supplied with a dropper
8. Bunsen burner

