

Biology confidential

Each candidate will require the following:

50ml distilled water labelled Q1.

One ripe tomato labelled specimen J.

2 pieces of sewing machine cotton thread 9 15cm long each)

Benedict's solution

One mature pod from leguminous plant labelled specimen K.

Iodine solution,

One mature (dry) fruit of Bidenspilosa(Black jack)

Labelled specimen L.

10cm long piece of visking tubing (wet) and preferably of 3cm width.

100 ml solution (made of 2% starch and 20% glucose) labelled Q2.

Means of heating /Flame (candle or Bunsen burner)

100ml beaker

A measuring cylinder – upto 10ml

Distilled water.

6 test tubes

Tap water / water in a wash bottle

Test tube rack

Test tube holder

A sharp razor blade / scalped

'Note'

Guide lines for the preparation of solution Q2

To prepare 1 litre of solution Q2, dissolve 20g starch in about 500ml distilled water, dissolve 200g glucose in the solution.

Make up the total volume of the mixture 1 litre by adding distilled water.