**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 Bidens pilosa ( 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 rank

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.