

Biology 3
0710

GENERAL CERTIFICATE OF EDUCATION (GCE) BOARD

General Certificate of Education Examination

JUNE 2021

ADVANCED LEVEL

Subject Title	Biology
Paper No./Title	Paper 3- Practical
Subject Code No.	0710

STRICTLY CONFIDENTIAL.
For the Centre Supervisor.

INSTRUCTIONS FOR GROUP V

The Centre Supervisor should read this confidential document, as soon as possible after receipt, to ensure that the materials required are available.

All specimens, apparatus and reagents must be supplied by the center concerned.

1.. The following specimens should be provided and given labels as follows:

- | | | |
|---|---|-----------------------|
| A | = | Spirogyra (Fresh) |
| B | = | Hydra (slide) |
| C | = | Crayfish |
| D | = | Butterfly |
| E | = | Hibiscus with flowers |
| F | = | Frog or Toad |
| G | = | Mushroom |
| H | = | Pigeon or chicken |

Specimens should be provided for each candidate where possible, otherwise for each group of not more than FOUR candidates.

2. Materials per candidate:

- Hand lens
- Specimens C, and H

3. Materials per candidate:

Each candidate should be provided with the following:

- (a) Freshly killed bird (one month old).
- (b) Dissecting tray or board.
- (c) Dissecting pins or nails.
- (d) Tissue paper.
- (e) Dissecting kit.

The Supervisor should complete for each candidate an assessment of the dissection as specified in the questionnaire.

4. Materials per Candidate:

- (a) distilled water.
- (b) knife.
- (c) mortar and pestle.
- (d) a measuring cylinder or syringe.
- (e) a beaker.
- (f) 4 – 5 test tubes.
- (g) a test tube holder.
- (h) heat source.
- (i) iodine solution (10ml) (labelled as such).
- (j) 0.5M NaOH (10ml) (labelled as such).
- (k) Benedict's solution (10ml) (labelled as such).
- (l) 0.1M HCL (5ml) (labelled as such).
- (m) NaHCO_3 (solid)
- (n) filter paper.
- (o) CuSO_4 solution or Millon's reagent
- (p) Sudan III solution