

**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 IV

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 centre concerned.

Turn over

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

| | | |
|---|---|------------------------|
| A | = | Planaria |
| B | = | Cypress (with cones) |
| C | = | Grasshopper |
| D | = | Lizard |
| E | = | Selaginella |
| F | = | Rag worm |
| G | = | Spirogyra (on slide) |
| H | = | Mushroom (with hyphae) |

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

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 B, E and H.
- Microscope needed

3. Materials per candidate

- (a) Freshly killed bony fish e.g. Bar fish or tilapia.
- (b) Dissecting board or tray.
- (c) Dissecting pins or nail.
- (d) Tissue paper.
- (e) Dissecting kit.

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

4. Material per candidate:

- (a) 50ml of active bacterial suspension labelled solution K. (1 tin of fermented peak milk in 500ml of water)
- (b) 50ml of 1% HCl solution labelled as such.
- (c) Syringes.
- (d) 3 beakers or cups
- (e) 4 test tubes of the same sizes.
- (f) Wall clock with sweeping second hand.
- (g) Methylene blue