

**231/3**  
**BIOLOGY**  
**PAPER 3**  
**PRACTICAL**  
**CONFIDENTIAL**

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**INSTRUCTIONS TO SCHOOLS**

The information contained in this paper is to enable the head of the school and the teacher in charge of Biology to make adequate preparations for this year's biology practical examination.

**NO ONE ELSE** should have access to this paper or acquire knowledge of its contents. Great care **MUST** be taken to ensure that the information herein does not reach the candidates either directly or indirectly.

The teacher in charge of Biology should **NOT** perform any of the experiments in the same room as the candidates nor make the results of the experiments available to the candidates or give any other information related to the experiments to the candidates.

**REQUIREMENTS**

**Each candidate will require the following:**

- 5 test - tubes
- 5ml of solution L<sub>1</sub> – starch solution 0.5%
- 5ml of solution L<sub>2</sub> – diastase solution 10%
- 2ml of solution L<sub>3</sub> – Boiled diastase solution 10%

NB: boiled for 10 minutes

- Means of labeling – 3 labels
- Water bath
- Thermometer
- Iodine solution
- 3 Droppers
- A White tile
- Means of timing