ZIMBABWE SCHOOL EXAMINATIONS COUNCIL

General Certificate of Education Ordinary Level

BIOLOGY 4025/3

PAPER 3 Practical Test

SUPERVISOR'SINSTRUCTIONS

SPECIMEN PAPER 1 hour 30 minutes

Great care should be taken that any confidential information given does not reach the candidates either directly or indirectly.

Prior to the examination, the Supervisor should ensure that all apparatus provided for the candidate, as listed in these instructions, are in good working condition.

No access to the Question Paper is allowed before the examination Dateand Time.

The Supervisor is **NOT** allowed to access the question paper before the examination **Date** and **Time**.

These instructions consist of 2 printed pages, a Supervisor's report and 1 blank page.

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Question 1

Each candidate should be provided with:

(i) a 2 mm thick slice of a fresh young tender garden cucumber labelled **P**

(ii) a 5 mm thick slice of a fresh young tender garden cucumber labelled **P**

(iii) a 5 mm thick slice of a partly ripe tomato labelled **Q**

N.B These transverse sections should be prepared 30 minutes before the examination.

(iv) Magnifying glass / hand lens × 10

(v) Scalpel blade

(vi) 30 cm^3 of distilled water in a petri dish labelled distilled water

(vii) 30 cm^3 of 30% sucrose solution in a petri dish labelled sucrose solution

(viii) 15 × 15 cm white ceramic tile

Question 2

Each candidate should be provided with:

(i) An onion slice ($\frac{1}{4}$ of a bulb) in a beaker of distilled water.

(ii) 2 blank microscope slides

(iii) 2 cover slips

(iv) 1 droper

(v) Light microscope fitted with × 10 and × 40

(vi) Iodine solution (10 ml)

(vii) 2 filter papers

(viii) 50 ml distilled water in a wash bottle

(ix) Scalpel blade

SUPERVISOR'S REPORT

The Supervisor or teacher responsible for the subject is asked to answer the following questions.

1 Was any difficulty experienced in providing any necessary material? Give brief particulars.

2 Did the candidates experience any difficulty during the course of the examination? If so, give brief particulars. Reference should be made to:

(a) difficulty arising from faulty specimens;

(b) accidents to apparatus or materials;

(c) any information that is likely to assist the Examiner, especially if this cannot be discovered from the scripts.

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Signed: _____

Name (in block capitals) _____

Information that applies to all candidates need only be given once.

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