**P530/3/Ins.Sc.**

**BIOLOGY**

**PRACTICAL**

**INSTRUCTIONS**

**Paper 3**

**Jul./Aug 2016**



**MUKONO EXAMINATIONS COUNCIL**

**BIOLOGY PRACTICAL INSTRUCTIONS**

**P530/3/Inst. Sc.**

**CONFIDENTIAL**

This information is given only to facilitate the preparation of the examination.

**Great care should be taken that the information given below does not reach the candidates directly or indirectly.**

**INSTRUCTIONS FOR PREPARING SPECIMENS AND APPARATUS**

The teacher responsible for preparing specimens **must** ensure that the candidates are provided with the correct specimens or other materials as specified in these instructions. Specimens and solutions which have been assigned codes must be presented to candidates using those **codes** **only** and **not** any other identity.

The teacher responsible for preparing the specimens **must** **hand** in his/her trait results for the physiology/biochemistry question; with the candidates’ scripts.

**Each candidate must be provided with:**

10cm3 of a mixture of 1% starch solution and 1% ascorbic acid solution in a 1:1 ratio labelled **C**.

10cm3 of a mixture of 1% sucrose solution and one egg albumen solution in one litre of water in a 1:1 ratio labelled **D**.

5cm3 of 5% Diastase /amylase solution labelled **L**.

5cm3 of 5% sucrase / invertase solution labelled **M**.

Freshly killed mature Toad labelled **T**

Worker bee labelled **G**

Grasshopper labelled **H**

Wasp labelled **I**

Housefly labelled **J**

Soldier termite labelled **K**

Hand lens

Cotton wool

Reagents for food test

Thermometer

Large plastic beaker for water bath

2 droppers

8 test tubes

Labels

Stop clock

Dissecting kit and board

**Easy access to:**

Heat source

**This form must be completed and returned with the scripts**

**UGANDA ADVANCED CERTIFICATE OF EDUCATION**

**July/August 2016**

**REPORT ON BIOLOGY PRACTICAL P530/3**

**Section I:**

Any information which the teacher responsible for preparing the apparatus thinks may be useful to the examiners should be given on this sheet. The teacher must try all the questions and submit his/her results in the space provided below to guide the examiners about the apparatus and concentrations of the chemicals used.

**[NB:** Teachers who DO NOT submit their trial results will be held responsible for the candidates' performance].

Results:

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**Section II:**

The invigilator, in consultation with the teacher responsible for preparing the apparatus, should give details below of any difficulties experienced by particular candidates, giving their names and index numbers. These should include reference to:

(a) difficulties due to faulty apparatus,

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(b) accidents to apparatus or materials,

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(c) physical handicaps of candidates,

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d) any other information.

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Other cases of hardship e.g. illness, disability, should be reported directly to the Examination Committee in the normal way.

A plan of work benches, giving details by index numbers of the places occupied by the candidates for each experiment for each session, must be enclosed with the scripts.

**Invigilator**

Name...............................................................................................................Signature........................................

**Teacher responsible for preparing apparatus**

Name.............................................................................................................Signature.........................................

**Head teacher**

Name.............................................................................................................Signature...................................

***End-***