

P530/3 Inst. Sch.

BIOLOGY

Practical

Instructions

July /Aug 2019



MUKONO EXAMINATION COUNCIL

Uganda Advanced Certificate of Education

BIOLOGY PRACTICAL INSTRUCTIONS

P530/3 Inst. Sch.

## CONFIDENTIAL

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

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

## INSTRUCTIONS FOR PREPARING SPECIMENS AND APPARATUS

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

*The head teacher **must** ensure that the teacher responsible for preparing the specimens hands in his/her trial results for the physiology/biochemistry question, properly sealed in a separate envelope and **firmly** fastened (attached) to the candidates' script envelop(s).*

**Each candidate should be provided with:**

Freshly killed mature toad labeled **K**

- 10 cm<sup>3</sup> of **A<sub>1</sub>**. (**A<sub>1</sub>** is prepared by crushing 300g of beans soaked for 3 – 4 hours used to make one litre of extract with distilled water.)
- 10 cm<sup>3</sup> of **A<sub>2</sub>** (**A<sub>2</sub>** is prepared by crushing 200g of sweet potatoes used to make 1 litre of extract.)
- 10 cm<sup>3</sup> of **A<sub>3</sub>**. (**A<sub>3</sub>** is prepared by blending nearly ripe orange extract.)
- Mature bean pod labelled **P**.
- Mature cucumber fruit labelled **Q**.
- Mature tomato fruit labelled **R**.
- Mature green pepper fruit labelled **S**.
- Mature avocado fruit labelled **T**.
- Motor and pestle.
- Thermometer.
- Stop clock / watch.
- A plastic cup / beaker.
- 12 test tubes.
- Reagents for food tests.
- Heat source.
- Labels

**Access to:**

- Reagents used for carrying out food tests.
- Water bath maintained at 37<sup>0</sup>C – 40<sup>0</sup>C.
- Source of heat.



## 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-**