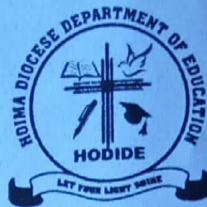


553/2 Inst. Sch.
BIOLOGY
PRACTICAL
Instructions
July/Aug. 2022



HOIMA DIOCESE EXAMINATIONS BOARD

Uganda Certificate of Education

BIOLOGY PRACTICAL INSTRUCTIONS

Paper 553/2 Inst.Sch.

July/August 2022

CONFIDENTIAL INFORMATION

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 materials as specified in these instructions.

Specimens and solutions which have been assigned letters should be presented to candidates using those letters only.

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

The teacher should report cases of candidates with special disabilities indicating the personal numbers. Any case of interchange of specimens must be reported.

Each candidate should be provided with the following:

- 10 cm³ of egg white solution labelled A
- 10 cm³ of 10% glucose solution labelled B
- 10 cm³ of distilled water labelled C

(Solution A is prepared by dissolving 50 cm³ of egg white from a raw egg in a litre of water and boil. Allow to cool and then filter using a domestic sieve)

- Passion fruit stem with a tendril labelled T
- Big sized Onion bulb labelled U
- Reed stem labelled V
- Bougainvillea stem with thorns labelled W
- Spear grass rhizome labelled X
- Mature fruit of *solanum incanum* labelled Y
- Mature fruit of *desmodium* labelled Z

(At least 5 cm long piece of each specimen with all features intact should be provided)

Freshly killed and mature

- Cockroach labelled R

(Specimen R should have all its parts intact)

- 20 cm³ of distilled water
- 1 boiling tube
- 5 test tubes
- 10 cm³ measuring cylinder
- 10 cm long visking tube
- A piece of thread of about 50 cm long
- Reagents for food tests
- Heat source
- Stop clock
- Hand lens
- Knife

[Attach other sheets of paper with trial results in case the space above is not enough]

Any hardships encountered by candidates during the examination.

.....

.....

Any special comment pertaining candidates work which you think can help examiners during marking.

.....

.....

.....

Name of Teacher responsible for preparing apparatus

.....

Signature: Date:

Name of Headteacher

Signature Date:

Name of school **Centre No.**