

553/2 Inst. Sch.
**BIOLOGY
PRACTICAL
INSTRUCTIONS
2024**



WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Certificate of Education

BIOLOGY PRACTICAL INSTRUCTIONS

553/2 Ins. Sch

CONFIDENTIAL

This information is given only to facilitate preparation of 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 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 physiology/biochemistry question. properly sealed in a separate envelope and **firmly** fastened (attached) to the candidates' scripts envelope(s).

Each candidate should be provided with;

20 cm³ of solution **P** (mixture of 1% starch solution and 1% glucose solution.)

20 cm³ of solution **Q** (1% starch solution)

Reagents for food tests

Source of heat

6 test tubes

A freshly killed mature;

- Cockroach, labeled **J**
- Soldier termite, labeled **K**
- Housefly, labeled **L**
- Worker bee, labeled **M**
- Hand lens.

532/2 Inst. Sch.
PHYSICS
PRACTICAL
INSTRUCTIONS
2024



WAKISSHA JOINT MOCK EXAMINATIONS

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PHYSICS PRACTICAL INSTRUCTIONS

535/2 Ins. Sch

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

INSTRUCTIONS FOR PREPARING APPARATUS:

The candidates will be allowed to write out a detailed description of the apparatus.

The teacher responsible for preparing the apparatus must give details (on the report form attached) about some of the items or apparatus he / she has supplied. The form should be signed by the invigilator, teacher responsible for preparing the apparatus and the Head teacher.

NB: The Head teacher **must** ensure that the teacher responsible for preparing the apparatus hands in his / her trial results properly sealed in a separate envelope and **firmly** fastened (attached) to the candidates' scripts envelope(s).

In addition to the apparatus ordinarily contained in a Physics Laboratory each candidate will require;

1. Two 50 g masses
2. Wooden block
3. Knife edge
4. Six inch nail (6")
5. Meter rule weighing over 100 g
6. Strings
7. Springs of force constant 20 Nm^{-1}
8. Lens of focal length 10 cm
9. Bulb
10. Connecting wires
11. 2 cells
12. Cell holder
13. Lens holder
14. White screen
15. Screen with cross wires

545/2 Inst. Sch.
**CHEMISTRY
PRACTICAL
2024**



WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Certificate of Education

CHEMISTRY PRACTICAL INSTRUCTIONS

545/2 Ins. Sch

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INSTRUCTIONS FOR PREPARING CHEMICALS AND APPARATUS:

The head teacher **must** ensure that the teacher responsible for preparing the chemicals and apparatus hands in his / her trial results properly sealed in a separate envelope and **firmly** fastened (attached) to the candidates' scripts envelope(s).

1. The description of the reagents and chemicals specified below does **not** necessarily correspond with the description in the question paper.
Candidates must **not** be informed of the differences.
2. Candidates are **not** allowed to use the reference books (i.e text books, booklets on qualitative analysis etc.) during examination.
3. In addition to the fittings and substances ordinarily contained in a chemistry laboratory, each candidate will require;
 - 100 cm³ measuring cylinder. (OR 50cm³ measuring cylinder)
 - 10 cm³ measuring cylinder.
 - Stop clock/watch.
 - Glass beaker or conical flask.
 - A thermometer
 - 280 cm³ of BA1
 - 100 cm³ of BA2

NB: BA1 is 0.05M sodium thiosulphate solution.

BA2 is 0.1M Hydrochloric acid solution.

1. The description of the reagents and chemicals specified below does **not** necessarily correspond with the description in the question paper.
Candidates must **not** be informed of the differences.
2. Candidates are **not** allowed to use the reference books (i.e text books, booklets on qualitative analysis etc.) during examination.
3. In addition to the fittings and substances ordinarily contained in a chemistry laboratory, each candidate will require;
 - 100 cm³ measuring cylinder.
 - Thermometer.
 - Stop clock/ watch.
 - Glass beaker/ conical flask.
 - Heat source.
 - 110 cm³ of BA1
 - 30 g of P
 - BA1 is 1M Hydrochloric acid.
 - P is Anhydrous sodium Carbonate.