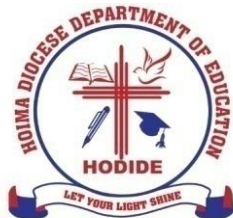


535/2 Inst. Sch.
PHYSICS
PRACTICAL
Instructions
July/Aug. 2024



HOIMA DIOCESE EXAMINATIONS BOARD

Uganda Certificate of Education, Mock Examination

PHYSICS PRACTICAL INSTRUCTIONS

Paper 535/2 Inst.Sch.

CONFIDENTIAL INFORMATION

Great care must be taken so that the information given herein does not directly or indirectly reach the candidates.

INSTRUCTIONS FOR PREPARING APPARATUS

The candidates will be instructed **not** to write out a detailed description of the apparatus. But the teacher responsible for preparing the apparatus must give details on the report form attached. The form should be signed by the invigilator, the teacher responsible for preparing the apparatus and the Headteacher.

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

In addition to the apparatus ordinarily contained in the Physics laboratory, each candidate will require:

Item 1

- 1 retort stand with a clamp.
 - 1 metre rule.
 - 1 slotted mass of 50 g.
 - 4 pieces of string each about 50 cm long.
 - 1 white leakage-free polyethene bag (kaveera) containing accurately measured 70 cm^3 of liquid *L*. The bag and its content should be labelled 'Liquid *L*' and securely tied.
- Liquid *L* is made dissolving 1 sachet shown in **Photo 1** in one litre of clean water.



Photo 1

- 2 pieces of wood of dimensions 4 cm by 2 cm by 2 cm.
- 1 **100 ml** measuring cylinder.

Item 2

- 1 ammeter (0 - 1 A),
- 1 voltmeter (0 - 3 V),
- 2 fresh dry cells (size D, 1.5 V) in a holder,
- 1 switch labelled K,
- 8 pieces of connecting wire (each about 50 cm long),
- 1 Rheostat (0 - 20Ω or 0 – 50Ω),
- 1 resistor of 5Ω labelled X. (The value of the resistance on X should be sealed with an opaque masking tape),
- 1 metre rule.

This form **MUST** be completed and returned in a separate envelope firmly attached to the script envelope(s).

UGANDA CERTIFICATE OF EDUCATION, HODEB MOCK EXAMINATION 2024
REPORT ON PHYSICS PRACTICAL 535/2

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 the items 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 their candidates’ performance.

Trial results by the teacher

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

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 personal numbers. This should include reference to:

(a) difficulties due to faulty apparatus,

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(b) accidents due 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 HODEB in the normal way. A plan of work benches, giving details by personal numbers of the places occupied by the candidates for each session, must be enclosed with the scripts.

Invigilator's Name Signature

Signature of the teacher responsible for preparing chemicals

Signature of the Head teacher

END