

**535/3 Inst. Sch.
Physics Practical
Instructions
Oct./Nov. 2024**



UGANDA NATIONAL EXAMINATIONS BOARD

Uganda Certificate of Education

PHYSICS PRACTICAL INSTRUCTIONS

535/3 Inst. Sch.

October/November 2024

CONFIDENTIAL:

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

INSTRUCTIONS FOR PREPARING APPARATUS

The candidates will be instructed not 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, the teacher responsible for preparing the apparatus and the Head teacher.

[N.B. The Head teacher **must** ensure that the teacher responsible for preparing the apparatus hands in his/her procedure and 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:

Item 1.

- 1 concave lens (focal length, $f = 10.0$ cm).
- 1 white screen.
- 1 screen with crosswire.
- 1 torch bulb in a holder.
- 1 metre rule.
- 4 connecting wires.
- 1 pair of fresh dry cells in a holder.
- 1 switch/ tap key.
- 1 plane mirror.
- 1 concave mirror of focal length, $f = 10$ cm.
- Water in a glass beaker.

Item 2.

- 1 constantan wire (SWG 28, 120 cm long).
- 1 pair of fresh dry cells (each cell of size D, 1.5 V) in a holder.
- 1 metre rule.
- 8 connecting wires, each 50 cm long.
- 1 ammeter (0 – 1.0 A).
- 1 voltmeter (0 – 3.0 V).
- 1 switch/ tap key.
- 3 resistors of resistances $2\ \Omega$, $5\ \Omega$ and $10\ \Omega$.
- 1 nichrome wire (SWG, 28, 50 cm long).
- 1 torch bulb.
- 1 cell holder.

This form must be completed and returned in a separate envelope firmly attached to the scripts' envelope(s).

UGANDA CERTIFICATE OF EDUCATION

October/November, 2024

REPORT ON PHYSICS PRACTICAL 535/3

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 out all questions and record his/her procedure and results in the space provided below.

[**N.B.** Teachers who **DO NOT** submit their procedure and trial results will be held responsible for their candidates' performance.]

Procedure and 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 personal numbers. These 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 hardships e.g. illness, disability, etc. should be reported directly to **UNEB** the normal way.

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

DO NOT STAMP ANYWHERE IN THIS DOCUMENT

Name of the invigilator..... Signature.....

Signature of the teacher responsible for preparing apparatus.....

Signature of the Head teacher.....

Random number