

**P510/2 Inst. Sch.  
PHYSICS  
PRACTICAL  
INSTRUCTIONS  
2026**



**UGANDA NATIONAL EXAMINATIONS BOARD**

**Uganda Advanced Certificate of Education**

**PHYSICS PRACTICAL INSTRUCTIONS**

**P510 Inst. Sch.**

**CONFIDENTIAL**

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

**INSTRUCTIONS FOR PREPARING MATERIALS AND APPARATUS**

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

1. Candidates are **not** allowed to use reference books (i.e. text books, practical guide/manual, etc.) during the examination.
2. In addition to the materials and apparatus ordinarily contained in a Physics laboratory, each candidate will require:
  - 1 Concave lens of focal length,  $f = -15$  cm
  - 1 Convex lens of focal length,  $f = 10$  cm
  - 1 Plane mirror on a mirror holder
  - 1 Torch bulb
  - 1 White screen
  - 1 White screen with wire gauze
  - 1 Pair of fresh dry cell (size D) in a holder
  - 1 Ammeter (0 – 1 A) digital ammeter.
  - 1 Voltmeter (0 – 3 V) or (0 – 5 V) or digital voltmeter
  - 2 Switches
  - 1 Fresh dry cell (1.5 V)
  - 1 Single cell holder
  - 1  $5 \Omega$  standard resistor
  - 1 Centre-zero galvanometer
  - 1 Jockey (crocodile clip can do)
  - 1 Piece of nichrome wire SWG 28 of length of about 105 cm)
  - 2 Metre rules
  - 2 Piece of sellotape
  - 10 Pieces of connecting wire, each of length of about 50 cm
  - 2 Crocodile clips
  - 1 Metre bridge





## Section II:

The Invigilator in consultation with the teacher responsible for preparing the apparatus and materials 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 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 **UNEB** in 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.**

Invigilator's Name \_\_\_\_\_ Signature \_\_\_\_\_

Signature of the teacher responsible for preparing the apparatus \_\_\_\_\_

Signature of the head teacher \_\_\_\_\_

Centre Number \_\_\_\_\_