

P510/3 Inst. Sch.
PHYSICS
PRACTICAL
INSTRUCTIONS
July/Aug. 2019

Uganda Advanced Certificate of Education
MOCK EXAMINATIONS
PHYSICS PRACTICAL INSTRUCTIONS
P510/3 Inst. Sch.

CONFIDENTIAL:

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

The candidates will be instructed not to write a detailed description of the apparatus. But the teacher responsible for preparing the apparatus must give details (on the report form attached) about some of the items of 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 headteacher **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).*

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Turn Over

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

Question. 1

- 1, half metre rule (or a metre rule).
- 1, retort stand with two clamps.
- 1, spiral spring (Nuffield type) with a pointer attached at the free end.
- 1, stop clock (or stop watch).
- 2, small pieces of wood (about $4\text{cm} \times 4\text{cm} \times 2\text{cm}$).
- 1, 100g mass hang.
- 6, 100g slotted masses.

Question . 2

- 1, glass prism (60° by 60° by 60°).
- 1, complete mathematical set.
- 1, soft board.
- 2, plain sheets of white paper.
- 4, drawing pins.
- 4, optical pins.

Question. 3

- 1, voltmeter (0 – 3A).
- 1, centre – zero galvanometer.
- 2, sliding contacts.
- 2, switches labeled K_1 and K_2 .
- 1, fresh dry cell in a holder marked C .
- 2, fresh dry cells in a holder marked D .
- 1, 10Ω standard resistor.
- 1, rheostat(0 – 50 Ω).
- 1, slide wire potentiometer.
- 10, pieces of connecting wires each about 50cm long.

END

This form must be completed and returned with the scripts.

Uganda Advanced Certificate of Education
REPORT ON PHYSICS PRACTICAL P510/3

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 all the questions and submit his / her results in the space provided below to guide the examiners about the apparatus used.

Results:

[illegible]

3

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 index numbers. These 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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The sitting plan must be drawn and enclosed with the scripts.

Name Signature
(Invigilator)

Name Signature
(Teacher responsible for preparing the apparatus)

Name Signature
(Head teacher)

