**P510/3**

**PHYSICS**

**PRACTICAL**

**INSTRUCTIONS**

**PAPER 3**

**Jul/Aug 2016**



**MUKONO EXAMINATIONS COUNCIL**

**Uganda Advanced Certificate of Education**

**Physics Practical Instructions**

**Paper 3**

***CONFIDENTIAL***

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

**INSTRUCTIONS FOR PREPARING APPARATUS**

The candidates will not 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) about some of the item of apparatus she/he has supplied. The form should be signed by the invigilator, the teacher responsible for preparing the apparatus and the Head teacher.

**NOTE:**

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 candidate’s scripts envelopes.

Each candidate will require.

**Q1**

1 Retort stand and clamp

1 Stop clock or stop watch

1 Uniform half metre rule

1 Uniform metre rule with one hole of diameter about 2mm drilled at 5cm mark, metre rule

labelled **A**

1 Uniform metre rule labelled **B**

2 Knitting threads, each 80.0cm long

1 Knife edge

1 Optical pin

2 Pieces of wood, each about 5.0cm x 4.5cm x 0.5cm

**Q2**

1 Soft board

4 Optical pins

2 Drawing pins

1 Vernier Caliper

2 Plain white papers

1 Glass block, about 11.0cm x 6.5cm x 2.0cm

**Q3**

1 Constantine wire, SWG 28, 102cm of length fixed on a metre rule using cellotape, wire

labelled W.

2 Switches, labelled K1 and K2

1 Micrometer Screw gauge

1 Voltmeter (0-3)V or (0-5)V

1 Ammeter (0-1)A

1 Potentiometer

1 Galvanometer

1 Jockey

2 Fresh dry cells (size D) in a holder

1 Fresh dry cell (size D) in a holder

10 Connecting wires each about 50.0cm long

**This form must be completed and returned with the scripts.**

**UGANDA ADVANCED CERTIFICATE OF EDUCATION**

**July/August 2016**

**REPORT ON PHYSICS PRACTICAL P510/3**

**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 all the questions 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 the candidates' performance].

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 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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Other cases of hardship e.g. illness, disability, should be reported directly to the Examination Committee in the normal way.

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

**Invigilator**

Name............................................................................................................... Signature.........................................

**Teacher responsible for preparing apparatus**

Name.............................................................................................................. Signature...................................

**Head teacher**

Name............................................................................................................. Signature...................................

***End-***