

**CONFIDENTIAL TO ALL SCHOOLS FOR PHYSICS**  
**TEACHERS**

**INSTRUCTION TO SCHOOLS**

The information contained in this paper is to enable the head of the school and the teacher in charge of Physics to make adequate preparations for this year's mock Physics practical examination. **NO ONE ELSE** should have access to this paper or acquire knowledge of its contents. Great care should be taken to ensure that the information contained herein **DOES NOT** reach the candidates either directly or indirectly. The teacher in charge of physics should **NOT** perform any of the experiment in the same room as the candidates nor make the results of the experiment available to the candidates or give any other information related to the experiment to the candidates.

**CONFIDENTIAL INSTRUCTIONS**

**Each student will be provided with the following apparatus.**

**QUESTION 1 (Part a)**

- Clamp
- Stand
- Optical pin
- Copper wire 20cm
- Protractor (your own)
- Two pieces of plasticine
- Stop watch( do not use a stop clock)
- Cork

**QUESTION 1 (Part b)**

- Prism( $60^\circ$ ,  $60^\circ$ ,  $60^\circ$ )
- 4 optical pins

- Plain paper
- Protractor
- Some plasticine
- Soft board

### **QUESTION 2**

- Two dry cell(size D)
- One bulb(2.5V)
- Voltmeter (0 -3v or 0 – 5v)
- Ammeter (0 – 2.5A)
- A mounted nicrome wire on a millimeter scale (swa 32)
- Switch
- Seven connecting wire a tleast two with crocodile clips.
- Micrometer screw gauge.

