**CONFIDENTIAL FORM 4**

**232/3**

**PHYSICS PRACTICAL**

**PAPER 3**

 **CONFIDENTIAL**

**Kenya Certificate of Secondary Education**

Physics Practical

**Paper 3**

**INSTRUCTIONS TO SCHOOLS**

1. The information contained in this paper is to enable the head of school and the teacher in charge of Physics to make adequate preparation for this year’s Physics practical examination. **NO ONE ELSE** should have access to this paper or acquire knowledge of its contents. Great care **MUST** be taken to ensure that the information herein does not reach the candidates either directly or indirectly.

2. The apparatus required by each candidate for the Physics Practical examination are set out on page 2. It is expected that the ordinary apparatus of a Physics laboratory will be available.

3. The **Physics teacher** should note that it is his/her responsibility to ensure that each apparatus acquired for this examination agrees with the specifications on page 2.

4. The question paper will not **be** opened in advance.

**NB: Any use of apparatus other than the ones specified may lead to candidates being penalized.**

**Question 1**

**Each candidate is required to have the following**

* Two dry cells (1.5V size D Eveready )
* An ammeter (0-1A)
* A voltmeter (0-5v)
* A cell holder
* Six connecting wires, two with crocodile clips
* A jockey
* A nichrome wire (SWG 28) mounted on a mm scale and labeled PQ
* A Switch

 **Question 2**

* Candle
* A lens holder
* A convex lens focal length 10 cm.
* A white screen
* A metre rule
* A knife edge about 7 cm high
* One 50 g mass and 100 g mass
* Two pieces of thread about 20 cm
* Some water in a beaker
* Liquid L in a beaker ( Liquid L is Kerosene )
* A piece of tissue paper