**CHOGORIA MURUGI ZONE**

**Kenya Certificate to Secondary Education**

**PHYSICS PAPER 3**

**CONFIDENTIAL**

**Question 1**

Each candidate to have the following apparatus

* 2 new dry cells
* Cell holder
* Ammeter (0-1A)
* Voltmeter
* 6 connecting wires (at least 3 with crocodile clips)
* Nichrome wire SWG 28 (d=0.38mm) mounted on a mm scale with the ends labeled (A and B)
* A switch
* Micrometer screw gauge (may be shared)
* Jockey key.

**Question 2**

**PART A**

Each candidate to have the following apparatus

* Retort stand, clamp and boss
* A piece of thread (1.2 metre)
* Two small pieces of wood blocks
* Pendulum bob
* Meter rule
* Stop watch

**PART B**

Each candidate to have the following apparatus

* A concave mirror (Focal length = 16 cm)
* Mirror holder
* White screen
* Metre rule
* A candle