**232/3**

**PHYSICS**

**PAPER 3**

**FORM FOUR**

**CATHOLIC DIOCESE OF KAKAMEGA EVALUATION TEST.**

**AUG/SEPT EXAM 2022,**

**CONFIDENTIAL**

Each candidate is required to have the following:

**QUESTION 1**

* A candle
* A white screen
* A lens and a convex lens holder. NB: Focal length = 20cm.
* A metre rule.
* A white screen with crosswire
* A Vernier Callipers.
* A 300g mass
* Two knife edges.
* Thread 15cm long

**QUESTION 2**

* A stop watch
* A 250ml glass beaker
* A thermometer (-10 to 1100C)
* A tripod stand and wire gauze
* A measuring cylinder 100ml
* A source of heat
* Some water in a container about 500ml at room temperature
* A voltmeter (0 – 5V)
* Two new dry cells and cell holders
* Six connecting wires, each with a crocodile clip at one end.
* A switch.
* Tissue paper
* A resistance wire labelled R mounted on a metre rule.

The physics teacher is required to mount a nichrome wire SWG 28 on a metre rule and label the wire R. The diameter of the wire is 0.36mm.

* A resistance wire labelled T.

The Physics teacher is required to mount a nichrome wire SWG 28 on a small piece of carton box and label it T.

The diameter of the wire is 0.36mm and its length is 60cm.

