**232/3 MECS – SEPTEMBER 2022 PHYSICS CONFIDENTIAL**

**QUESTION 1**

**You are provided with:**

* Two new dry cells (size D).
* A cell holder.
* An ammeter (0 – 2.5A) OR (0 – 1A)
* A voltmeter (0 – 5V)
* connecting wires 2 with crocodile clips.
* Nichrome wire 1.0m long mounted on a scale (SWG 28) labelled X.
* A micrometer screw gauge (to be shared)

**QUESTION 2**

1. ***Each student should have the following:***

* Four optical pins
* Alcohol Thermometer
* 250 ml beaker
* Plain paper (A4 size)
* Soft board
* Stopwatch
* Source of boiling water
* Four thumb tucks
* Equilateral triangular glass prism
* Complete geometrical set