**MOKASA II EXAMINATION**

**JULY/AUGUST 2018**

**232/3**

**PHYSICS PRACTICAL**

**CONFIDENTIAL**

The following apparatus should be provided for the Physics practical paper.

**Question 1:** Spiral spring (spring constant between: (10 – 50) $^{N}/\_{m}$

* Metre rule
* A mass marked M (mass of M between 50g and 100g depending on the spring constant of the spring)
* 20g or 50g masses
* A stop watch
* A complete stand
* A balance for sharing

**Question 2**

**PART A**

* A voltmeter
* A galvanometer
* A micrometer screw gauge (to be shared)
* A switch
* 8 connecting wires
* A resistance wire mounted on a millimeter scale AB
* A resistance wire labelled P (SWG 28, d $\~$ 0.36mm)
* A resistance wire labelled Q (SWG 32, d $\~$ 0.24mm)
* A metre rule or half metre rule
* Two dry cells and a cell holder.

**PART B**

* A convex lens on a lens holder L (focal length f $\~$ 10cm)
* A candle, O
* Screen S
* A metre rule