**MUMIAS WEST SUBCOUNTY EXAM**

**PHYSICS PRACTICAL 232/3**

**CONFIDENTIAL**

Question 1

 -A nichrome wire (**S.W.G. 30**, **0.28mm diameter** and **length** **80cm**) free of kinks labelled **G** and mounted on a mm scale

-A Switch

-Voltmeter (0- 3V) or (0-5V) scale

-2 new dry cells in a cell holder

-A resistor labeled **R** **(4Ω)**

-A micrometer screw gauge (to be shared)

-Six connecting wires with six crocodile clips

**QUESTION 2**

You are provided with the following apparatus:

* clamp
* boss
* stand
* optical pin
* copper wire (15 cm long)
* protractor
* two pieces of plasticine of about 0.5cm diameter
* cork