

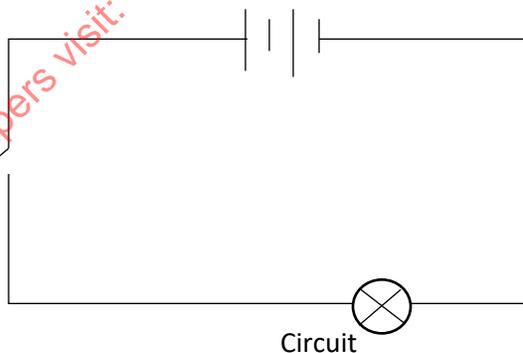
# CONFIDENTIAL

**MOI HIGH SCHOOL - KABARAK**  
**KASSU EDUCATIONAL IMPROVEMENT EXAMINATION**  
**KENYA CERTIFICATE OF SECONDARY EDUCATION**  
**PHYSICS PRACTICAL**  
**PAPER 3**  
**JUNE/JULY 2017**

Each candidate will require the following apparatus/chemicals.

## QUESTION 1

- Alighting bulb (Teacher to connect the circuit with a switch ready for use).



- One 100ml glass beaker (internal diameter approximately 5 cm) filled with water.
- White screen.
- One metre rule.
- A piece of plasticine 10g.
- One helical spring with pointer.
- One 200g or 2 x 100g mass.
- One stopwatch
- One stand + Clamp + Boss

## **QUESTION 2**

- One voltmeter range ( 0 – 5) V
- One capacitor 2200 $\mu$ F labelled C
- One switch
- One stop watch
- Nine connecting wires at least four with crocodile clips
- Three dry cells (New) size D.
- One cell holder to hold 1 – 3 cells
- One resistor labelled R<sub>1</sub> 4.7 k $\Omega$
- One resistor labelled R<sub>2</sub> 10 $\Omega$
- One ammeter range (0 – 1) A

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