

**232/3**  
**PHYSICS**  
**PAPER 3**  
**(PRACTICAL)**

**CONFIDENTIAL:**

Question 1

Each candidate will require:

- Cardboard rectangular strip ( 40cm × 5cm × 0.5cm)
- 1 optical pin.
- 1 stop watch.
- Half-metre rule.
- Knife-edge.

**NB:** The cardboard rectangular strip should be easy to bore a hole through using a pin (or use a stiff carton).

Question 2

- Concave mirror and a holder.
- Metre rule.
- Candle (about 7cm)
- White screen.
- A voltmeter 0 – 3 or 0 – 5V)
- An ammeter (0 – 1A)
- 10Ω resistor (fixed).
- A switch.
- One dry cell and a cell holder.
- Six connecting wires.