

PHYSICS CONFIDENTIAL

INSTRUCTIONS TO SCHOOLS.

QUESTION 1

Each student should be provided with the following:

1. Two 100 g masses with a hook.
2. Two strings, 30 cm long.
3. A metre rule.
4. 25 cm high knife edge.
5. 250 ml beaker with salt solution (50g salt dissolved in 200 ml of water).

QUESTION 2A

Each student should be provided with the following:

1. Ammeter (0-1A).
2. Voltmeter (0-3V).
3. dry cells.
4. A nichrome wire SWG 24 fixed on a meter rule, labelled Y.
5. A nichrome wire SWG 32 of length 50 cm fixed on a piece of wood labeled X.
6. A switch.
7. Seven connecting wires 4 with crocodile clips.
8. A cell holder to accumulate 2 dry cells.
9. A micrometer screw gauge (to be shared).

QUESTION 2B

Each student should be provided with the following:

1. A crosswire fixed on a screen, labeled screen B.
2. A candle.
3. A screen labeled screen A.
4. A convex lens of focal length, $f=20\text{cm}$.
5. A convex mirror of focal length, $f=10\text{ cm}$.
6. Lens holder.
7. A metre rule.
8. Mirror holder.