3KN FRATERNITY.

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. 2 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 facal length ,f=20cm.
5. A convex mirror of focal length ,f=10 cm.
6. Lens holder.
7. A metre rule.
8. Mirror holder.