

NANDI EAST, NANDI SOUTH AND TINDERET DISTRICTS JOINT EVALUATION 2014
233/3 – PHYSICS PAPER 3 - CONFIDENTIAL

INSTRUCTIONS TO SCHOOLS

Question 1

PART A REQUIREMENTS

- A glass block (Rectangular).
- A plane mirror.
- 4 optical pins.
- Soft board.
- A cellotape.
- 2 white – plane sheets of paper.
- A ruler or $\frac{1}{2}$ metre rule.
- A protractor.
- 4 office pins.

PART B REQUIREMENTS

- Two wires, one labeled T and the other S, each mounted on $\frac{1}{2}$ metre rule (Use nichrome wire gauge 28).
- A dry cell and a cell holder.
- A wire labeled W mounted on a millimetre scale (about 1m long)
- A jockey.
- A centre zero galvanometer.
- Connecting wires (some with crocodile clips).
- A micrometer screw gauge (to be shared)
- A metre rule or $\frac{1}{2}$ metre rule.
- A switch.

Question 2

PART A REQUIREMENTS

- A metre rule.
- Knife edge 20cm high.
- One 50g mass and 100g mass.
- Cotton thread (2pcs 20cm each)
- Water in a beaker.
- Kerosene ($\frac{1}{2}$ litre) label the liquid L in a beaker.
- Tissue paper.

PART B

- A helical spring with a pointer (spring constant 100N/m)
- Retort stand and clamp.
- Metre rule or $\frac{1}{2}$ metre rule.
- Vernier calipers.
- Micrometer screw gauge.
- 4 masses of 20g each.