

232/3  
PHYSICS  
PAPER 3  
(PRACTICAL)  
CONFIDENTIAL

INSTRUCTION TO SCHOOLS:

QUESTION 1

Each candidate is required to have:-

- Water in 1000ml beaker.
- Long test tube (External diameter approximately 1.50cm).
- Some wet sand.
- A spatula.
- Five identical steel ball bearings each of diameter (0.6 – 0.7cm).
- A micrometer screw gauge (To be shared).
- A vernier calipers.
- A millimeter scale marked on a graph strip of paper.

**Note:** Physics teacher is required to attach firmly the millimeter scale along the outside part of the test tube so that the zero is at the bottom.

Teacher.co.ke

## QUESTION 2

**Each candidate is required to have:-**

- Two new dry cells.
- A cell holder to hold two cells.
- A white screen.
- A biconvex lens (focal length = 10cm).
- A lens holder.
- A metre rule.
- A bulb in a bulb holder.  
(**Note:** Bulb should be bright enough when two cells are used).
  
- Six connecting wires. At least four with crocodile clips at one end.
- A jockey (A crocodile clip may be used).
- A voltmeter (0 – 5V).
- An ammeter (0 – 3V).
- A switch.
- A resistance wire PQ mounted on a millitre scale. (Use nichrome wire SWG 30).

