

**CEKENA END OF TERM TWO EXAMINATION 2022**

*Kenya Certificate of Secondary Education (K.C.S.E)*

**FORM FOUR**

**232/3**

**PHYSICS**

**PAPER 3**

**CONFIDENTIAL**

Each student will require;

**Question one**

1. Boiling tube approx. 15.0cm tall and diameter 2.4±0.5cm

2. Some dry sand

3. Half meter rule

4. Vernier calipers (to be shared)

5. Weighing balance (At least one per room)

6. A piece of tissue paper.

7. A glass beaker (at least 600ml almost full of liquid L and labeled L)

 (Liquid L is brine prepared with 1kg salt in 5 liters of water)

8. A plane mirror.

9. A rectangular glass block approximately 100mm×60mm×18mm.

10 A plain white paper.

11 Soft board.

12. Protractor (Student geometrical set)

13. A piece of plasticine.

14. Four optical pins

15. A lit candle

16. A biconvex lens of f =15cm

17. A lens holder

18. A meter rule

19. A white screen.

**Question Two**

1. Ammeter (0-1A)

2. Voltmeter (0-5V)

3. Two new size D cells.

4. A cell holder.

5. A resistance wire fixed on a millimeter scale (SWG 31)

6. A switch.

7. Six connecting wire with crocodile clips.