

PHYSICS FORM 4 - CONFIDENTIAL

Each candidate should have the following

Question 1

- A metre rule
- A white screen with cross wires labelled O
- A white screen labelled S
- A convex (converging lens) of focal length 10cm
- A lens holder
- A candle
- Some dry sand (in a small beaker)
- Boiling tube pyrex glass (length 14.5cm and diameter 2.45cm)
- Measuring cylinder 500ml
- Clean water (to be put in a measuring cylinder to almost filled and be labelled L)
- Half metre rule
- Vernier calipers
- Tissue paper
- Weighing machine (one per a room)

Question 2

- 2 dry cells
- A cell holder for 2 cells connected in series
- A nichrome wire SWG 30 mounted on a metre rule (the length of the wire be at least 100cm)
- A voltmeter (0 – 5)V
- An ammeter (0 – 1)A
- 8 connecting wires, 3 with crocodile clips and 1 with a jockey
- A switch