

CONFIDENTIAL

QUESTION 1

Each candidate should have:-

- A retort stand, clamp and boss
- A spiral spring
- A stop watch
- Three 100g masses
- A 250ml glass beaker
- A Bunsen burner
- A thermometer (-10 to 110°C)
- A tripod stand and wire gauze
- A measuring cylinder 100ml
- A source of heat
- Some water in a container about 500ml

QUESTION 2

Each candidate is required to have the following apparatus:

- A voltmeter (0 – 5V)
- A candle
- A white screen
- Two new dry cells
- Six connecting wires, each with a crocodile clip at one end.
- A switch.
- A lens and a lens holder. NB: Focal length = 20cm.
- A metre rule.
- A resistance wire labelled R mounted on a metre rule.

The physics teacher is required to mount a nichrome wire SWG 28 on a metre rule and label the wire R. The diameter of the wire is 0.36mm.

- A resistance wire labelled T.

The Physics teacher is required to mount a nichrome wire SWG 28 on a small piece of carton box and label it T.

The diameter of the wire is 0.36mm and its length is 60cm.

