

## CONFIDENTIAL

232/3

### PHYSICS

1. Provide the following apparatus:

- An ammeter (0 – 3A)
- A voltmeter (0 – 3V)
- A nichrome resistance wire  $\approx 0.37 \pm 0.01\text{mm}$  and length  $\approx 101\text{cm}$  mounted on a metre rule.
- A mounted resistance wire on a meter rule.
- Seven connecting wires with crocodile clips at both ends.
- A bulb
- A jockey or crocodile clip
- Micrometer screw gauge (to be shared)

2. PART A Provide the following apparatus:-

- One complete clamp stand.
- One mass labelled X – 100g
- One mass labelled S – 50g
- One metre rule
- Three pieces of thread
- Water in 100ml beaker  $\frac{3}{4}$  full labelled W.
- Kerosene in 100ml beaker  $\frac{3}{4}$  full labelled L
- Some tissue paper
- A piece of cellotape/masking tape approximately 15cm
- Vernier calipers (to be shared).

2. PART B Provide the following:

- One lens labelled A local length 10cm
- One lens holder
- One white screen
- One white screen with a cross-wire
- One candle
- A metre rule
- Match box