

KCSE TOP PREDICTION MASTER CYCLE 2

PHYSICS 232/3
CONFIDENTIAL

QUESTION 1

Each candidate will require the following.

- A milliammeter.
- A voltmeter (0 – 3V) or (0 – 5V).
- A wire mounted on a mm scale (Nichrome wire SWG 32)
- A switch.
- A long wire with a crocodile clip at one end (crocodile clip to be used as a slider or jockey).
- A micrometer screw gauge (may be shared).
- 5 connecting wires, two with crocodile clips at the end.
- One new dry cell size D.
- Cell holder.

QUESTION 2

EACH STUDENT REQUIRES

- ✓ Micrometer screw gauge (shared between 4 students)
- ✓ Vernier callipers
- ✓ Masses
 - ◆ 10g
 - ◆ 2 – 20g
 - ◆ 50g
 - ◆ 100g
- ✓ Helical spring ($K = 0.08\text{N/cm}$)
- ✓ Metre rule or half metre rule
- ✓ Complete retort stand