

SUKELLEMO PRE-MOCK CONFIDENTIAL

232/3

PHYSICS

PAPER 3

(PRACTICAL)

INSTRUCTIONS TO SCHOOL:

1. The information contained in this paper is to enable the head of school and the teacher in charge of Physics to make adequate preparations for the Joint Physics Practical Examination. **NO ONE ELSE** should have access to this paper or acquire knowledge of its contents. Great care **MUST** be taken to ensure that the information herein does not reach the candidates either directly or indirectly.
2. The apparatus required by each candidate for the Physics Practical Examination are set out on page 2 and 3. It is expected that ordinary apparatus of Physics laboratory will be available.
3. The Physics teacher should note that it is his/her responsibility to ensure that each apparatus required for this examination conforms with the specifications on page 2 and 3.
4. The question paper will not be opened in advance.
5. The Physics teacher is not expected to perform the experiments.

NB: Any use of apparatus other than the ones specified may lead to candidates being penalized.

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

- A metre rule
- Two identical 100g masses (labelled A and B)
- 200 ml of Liquid L (water)
- Three pieces of thread, each 30cm long.
- Stand with clamps
- Tissue paper.
- Vernier calipers (To be shared)
- A rectangular glass prism (100 X 60 X 18 mm)
- A plain sheet of paper
- A soft board
- 4 optical pins
- 4 thumb pins
- protractor