

232/3 Inst. Sc.
PHYSICS PRACTICAL
Paper 3

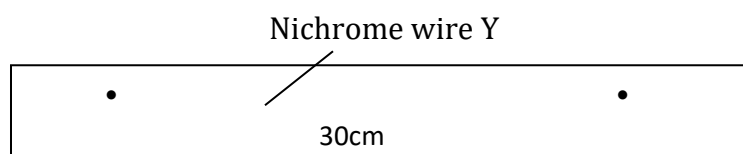
INSTRUCTIONS TO SCHOOLS

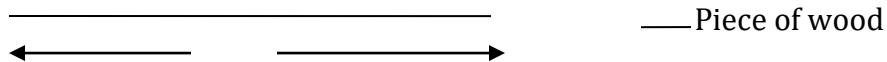
1. The information contained in this paper is to enable the head of school and the teacher in charge of Physics to make adequate preparation for this year's Physics practical examination. **NO ONE ELSE** should have access to this paper or acquire knowledge of its contents. Great care **MUST** be taken 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. It is expected that the ordinary apparatus of a Physics laboratory will be available.
3. The **Physics teacher** should note that it is his/her responsibility to ensure that each apparatus acquired for this examination agrees with the specifications on page 2.
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.

These instructions consist of 2 printed pages.

1. Each candidate will require
 - Centre zero galvanometer
 - One new size D dry cell & cell holder
 - A switch
 - Eight connecting wires each with crocodile clip at one end.
 - A piece of nichrome wire swg 28 (diameter 0.32 mm) of length 30cm.
Teacher to mount the piece of wire on piece of wood and label it Y see





- A resistance wire labeled AB 100cm long mounted on a millimeter scale
- Six 6 10 ohm carbon resistors.
- A jockey (a crocodile clip may be used)
- A micrometer screw gauge

2. Each candidate will require:

- A spiral spring of spring constant between 10.0N/m -15.0 N/m
- A complete stand
- A metre rule
- A 100g mass
- Knife edge
- A wedge placed on a wooden block
- A half metre rule

