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PHYSICS
PAPER 3
PRACTICAL- Confidential

INSTRUCTIONS TO SCHOOLS.

- The information contained in this paper is to enable the head of the school and the teacher in charge of physics to make adequate preparations for the 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 candidates do not acquire the information herein, either directly or indirectly.
- The physics teacher should ensure that all apparatus acquired for this examination agrees with the specifications given in this paper.
- The question paper will not be opened in advance.
- The physics teacher is **NOT** expected to perform the experiments.

Provide each candidate with the following apparatus

Question one

- Two dry cells size D
- An ammeter (0 – 1A)
- A voltmeter (0 – 5V)
- Nichrome wire (SWG 32) mounted on a millimeter scale labelled XY with X at 0cm mark
- A jockey or crocodile clip
- A cell holder holding two cells
- A switch
- 6 connecting wires (each 30cm long) with at least 3 with crocodile clips at the end

Question two

- A metre rule
- Two identical 100g masses labelled A and B
- About 200ml of paraffin in 250ml beaker labelled as liquid L.
- Four pieces of thread, three half metre long and one 70cm long.
- A stand with clamps
- Piece of tissue paper
- Stopwatch
- Optical pin
- A cork
- A concave mirror of focal length 10cm
- A mirror holder or lump of plasticine