

MACHAKOS COUNTY KCSE TRIAL AND PRACTICE EXAM 2015

Kenya Certificate of Secondary Education (K.C.S.E.)

Physics

232/3

Paper 3 Practical

CONFIDENTIAL

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 preparations for this 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 here does not reach the candidates either directly or indirect.
 2. The **physics teacher** should note that it is his / her responsibility to ensure that each apparatus acquired for this examination agrees with the specifications given.
 3. The question paper will not be opened in advance.
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Question 1

Each candidate will require:

- A pendulum bob (50g mass)
- A stop watch
- Metre rule
- Two retort stands
- Two clamps
- Two bosses
- Inextensible thread 120cm long and 20 cm (in two pieces)

Question 2

Each candidate will require:

- A resistance wire/SWG 32-nichrome mounted on a millimeter scale labelled MN.
- A switch
- A voltmeter (01A)
- An ammeter (01A)
- Two dry cells size D (New)
- Six connecting wires at least 3 with crocodile clips
- White screen
- Candle
- Match box (to be shared)
- Convex lens ($f=20\text{cm}$)
- Lens holder.