

232 / 3

PHYSICS

CONFIDENTIAL

DECEMBER 2020

***MERU CENTRAL SUB-COUNTY EVALUATION
EXAMINATION***

KENYA CERTIFICATE OF SECONDARY EDUCATION (KCSE)

**CONFIDENTIAL TO ALL SCHOOLS FOR PHYSICS
TEACHERS**

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 this year's physics practical mock 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. Physics teachers **SHOULD NOT** perform any of the experiments in the same room as the candidates or make the results of the experiments available to the candidates or

give any other information related to the experiments. Doing so will constitute an examination irregularity which is punishable.

- The apparatus required by each candidate for the Physics practical examination are set out on page 2 of this paper. It is expected that ordinary apparatus of a Physics laboratory will be available
- The Physics teacher should note that it is his/her responsibility to ensure that each apparatus acquired for this examination agrees with the specification on page 2 of this paper
- Teachers are reminded that electronic calculators may be allowed in this examination room.
- The question paper will **not** be opened in advance

NB:- ANY USE OF APPARATUS OTHER THAN THE ONES SPECIFIED MAY LEAD TO CANDIDATES BEING PENALIZED

Each student will require the following :-

1. 2 new dry cells (size D)
2. A cell holder
3. A switch
4. An ammeter (0-2.5A)
5. A voltmeter (0 – 5v)
6. 6 connecting wires
7. 2 crocodile clips
8. A nichrome wire 1.0m long mounted on a scale (SWG 32) labeled X
9. A candle
10. A lens ($f = 20$ cm) and a lens holder
11. A screen
12. A metre rule
13. Rubber bung (hard).
14. Vernier calipers (shared).
15. Electronic beam balance (shared).
(which records to 1 d.p.)
16. a retort stand, one boss, one clamp
17. One 500ml beaker $\frac{3}{4}$ full of water
18. One 100g mass
19. One 50g mass
20. 3 pieces of thread approximately 30cm long

