

PHYSICS

PAPER 3

CONFIDENTIAL

PRACTICAL

KCSE TOP PREDICTION MASTER CYCLE 4

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 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 below. 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 as indicated on the list of apparatus below.
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.

Compiled and Distributed by Kenya Educators Consultancy, P.O.BOX 15400-00500, Nairobi.

Tel 0724333200 E-mail kenyaeducators@gmail.com. ORDER MARKING SCHEMES AT

www.kenyaeducators.co.ke or Contact 0724333200/0768321553/0795491185

QUESTION ONE (EXTRA QUESTION):

- ✓ Helical spring with pointer (diameter about 1.2cm, length 7.1 ± 0.2 cm, thickness - 0.60mm)
- ✓ One clamp, one stand and one boss
- ✓ A Stop watch
- ✓ One 50g Mass
- ✓ Two 100g masses.
- ✓ Metre rule
- ✓ Three pieces of thread 30cm each
- ✓ Some water in the beaker
- ✓ Liquid L (paraffin) in a beaker
- ✓ Tissue paper

QUESTION TWO

- ✓ An ammeter (**0 - 1A**)
- ✓ A voltmeter (**0 - 3 V or 0 - 5V**)
- ✓ A variable resistor of **100 Ω**
- ✓ A **10 Ω** carbon resistor
- ✓ A piece of resistance wire (**SWG 30**) **50cm** long
- ✓ Two New Size D dry cells
- ✓ A cell holder
- ✓ A switch
- ✓ Seven connecting wires of **4** should have crocodile clips both ends and **3** with crocodile clip on one end
- ✓ A lens holder
- ✓ Convex lens of focal length $15.0\text{cm} \pm 1 \text{ cm}$

Compiled and Distributed by Kenya Educators Consultancy, P.O.BOX 15400-00500, Nairobi.

Tel 0724333200 E-mail kenyaeducators@gmail.com. ORDER MARKING SCHEMES AT

www.kenyaeducators.co.ke or Contact 0724333200/0768321553/0795491185

- ✓ A white screen
- ✓ A Metre rule.

Compiled and Distributed by Kenya Educators Consultancy, P.O.BOX 15400-00500, Nairobi.

Tel 0724333200 E-mail kenyaeducators@gmail.com. ORDER MARKING SCHEMES AT

www.kenyaeducators.co.ke or Contact 0724333200/0768321553/0795491185