

**P510/3 Inst. Sch.
PHYSICS
PRACTICAL
INSTRUCTIONS
Jul./Aug. 2024**



**WAKISO-KAMPALA TEACHERS' ASSOCIATION (WAKATA)
WAKATA MOCK EXAMINATIONS 2024
Uganda Advanced Certificate of Education
PHYSICS PRACTICAL INSTRUCTIONS**

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CONFIDENTIAL

Great care should be taken that the information given below does not reach the candidates either directly or indirectly.

INSTRUCTIONS FOR PREPARING APPARATUS

The candidates will be instructed **not** to write a detailed description of the apparatus. But the teacher responsible for preparing the apparatus **must** give details (on the report form attached) about some of the items of apparatus he/she has supplied. The form should be signed by the invigilator, the teacher responsible for preparing and the head teacher.

[N.B: The head teacher must ensure that the teacher responsible for preparing apparatus is well facilitated and hands in his/her trial results properly sealed in a separate envelope and firmly fastened (attached) to the candidates' script envelope(s)]

In addition to the apparatus ordinarily contained in Physics laboratory, each candidate will require:

Question 1

- 1 bicycle spoke. The knob at the end should be cut off
- 1 metre rule
- 1 stop clock
- 1 half metre rule
- 1 a retort stand
- 3 cotton threads each 1m long
- 1 a pendulum bob
- 1 stop clock or stop watch.
- 1 Knife edge
- 1 complete mathematical set
- 1 piece of chalk

Question 2

- 2 pieces of wood (4cm \times 2cm \times 2cm)
- 1 optical pin
- 1 retort stand
- 1 150ml of water labeled L.
- 1 empty 250ml beaker
- 1 plane mirror (12cm \times 4cm)
- 1 office pin
- 1 half metre rule
- 1 concave mirror ($f = 15\text{cm}$)

Question 3

- 2 dry cells in a holder
- 1 dry cell in a holder
- 2 switches labeled K_1 and K_2
- 1 1m length of SWG 30 constantan wire labeled Z
- 1 slide wire potentiometer
- 1 centre zero galvanometer,
- 1 metre rule,
- 14 pieces of connecting wires (about 30cm each)
- 2 pieces of sellotape
- 1 crocodile clip
- 1 voltmeter (0 – 3V)
- 1 ammeter
- 1 (0 – 1A)