

CONFIDENTIAL

THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL OF TANZANIA
CERTIFICATE OF SECONDARY EDUCATION EXAMINATION 2024

031/2A

PHYSICS 2A
ACTUAL PRACTICAL A

3 HOURS PRACTICAL ADVANCE INSTRUCTIONS

1.0 IMPORTANT

- 1.1 GREAT CARE MUST BE TAKEN NOT TO DIVULGE THESE INSTRUCTIONS TO BOTH CANDIDATES AND UNAUTHORIZED PERSONS EITHER DIRECTLY OR INDIRECTLY.
- 1.2 MAKE SURE THAT THE CANDIDATES ARE PROVIDED WITH THE APPARATUSES INDICATED IN THESE PRACTICAL INSTRUCTIONS ONLY AND NOT OTHERWISE.

2.0 In addition to the normal fittings of a Physics laboratory each candidate will require the following:

- 2.1 An object of mass 85 g covered (unknown mass) labelled x
One metre rule
A 100 g standard mass labelled w
Knife edge of height about 30 cm
Two inextensible cotton threads (@ 25 cm long)
- 2.2 2 dry cells (ABC Supper Electric, size D, 1.5 V each) soldered both ends labelled E.
Standard resistor of 2Ω covered (unknown resistance) and labelled Q
Plug switch labelled K
Ammeter (0 - 3 A) labelled A
Resistance box (1 - 10Ω) labelled R
6 connecting wires.