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 2 Ω covered (unknown resistance) and labelled **Q**
Plug switch labelled **K**
Ammeter (0 - 3 A) labelled **A**
Resistance box (1 - 10 Ω) labelled **R**
6 connecting wires.

CamScanner