



**INTERIM JOINT MATRICULATION BOARD
AHMADU BELLO UNIVERSITY
ZARIA**

INTERIM JOINT MATRICULATION BOARD EXAMINATION 2023

PHYSICS PAPER III (ALTERNATIVE A)

INSTRUCTIONS TO PRACTICAL

QUESTION 2A.

- i. Meter rule,
- ii. knife edge,
- iii. Standard slotted masses (e.g 2, 5, 10, 50g etc).
- iv. A piece of small stone labelled as M_0 , such that, $(40g \leq M_0 \leq 150g)$.

Question 3A

- i. D.c battery of emf 4V or 4.5V source.
- ii. Variable resistor/ Rheostat.
- iii. Voltmeter at least (0-5) V.
- iv. Ammeter at least (0 – 2) A.
- v. A 2Ω standard resistor labelled as **X**.
- vi. Several Connecting wires.
- vii. Key or switch.