

PRESIDENT’S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT
DODOMA REGION
FORM SIX MOCK EXAMINATION– 2023
131/3B- PHYSICS 3B (ACTUAL PRACTICAL)
3 HOURS ADVANCE INSTRUCTIONS

1.0 IMPORTANT

1.1 GREAT CARE MUST BE TAKEN **NOT** TO DIVULGE THIS INFORMATION TO BOTH CANDIDATES AND UNAUTHORIZED PERSONS EITHER DIRECTLY OR INDIRECTLY.

1.2 PLEASE DO **NOT** OPEN THE ENVELOPE CONTAINING THE QUESTION PAPER 3HOURS BEFORE THE TIME OF COMMENCEMENT OF THE EXAMINATION.

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

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| 2.1 | 1 | Pendulum bob |
| | 1 | Thread of 80cm length |
| | 1 | Retort stand and clamp |
| | 1 | Half metre rule. |
| | 1 | Stopwatch |
| | 2 | wooden blocks |
| 2.2 | 1 | Copper calorimeter with a lid and stirrer |
| | 1 | Thermometer (0-100°C) |
| | 1 | 100ml of hot water maintained at 90°C |
| | 1 | A cardboard (20cm x 20cm) |
| | 1 | Wooden slab |
| | 1 | Stopwatch |

- 2.3 1 2Ω standard resistor to be covered and labeled **R**.
- 2 Dry cell (ABC Supper Electric, size D, 1.5V) connected in series labeled **E**
- 1 Ammeter labelled **A**
- 1 Voltmeter labelled **V**
- 8 Connecting wires
- 1 Plug/Key labeled **K**
- 1 Rheostat