

## RESOURCEFUL MOCK EXAMINATIONS 2017

Uganda Advanced Certificate of Education

### PHYSICS PRACTICAL

### PAPER 3

### CONFIDENTIAL

Great care should be taken that the information given below does not reach the candidates either direct or indirect

In addition to the apparatus ordinarily available in a physics laboratory, each candidate will require.

#### **Question one:**

- ✓ 1 Pendulum bob
- ✓ 1 Retort stand with two clamps
- ✓ 1 Stop watch / stop clock
- ✓ 1 Piece of cotton thread (white) 60cm
- ✓ 1 Paper clip
- ✓ 1 Metre rule
- ✓ 1 Bicycle spoke with its bend cut off and its cap removed
- ✓ 4 Pieces of wood for clamping
- ✓ 1 mathematical set

#### **Question two:**

- ✓ 4 Optical pins
- ✓ 1 Right angled prism
- ✓ 1 Soft board
- ✓ 1 Sheet of plain paper
- ✓ 4 Drawing pins
- ✓ 1 Complete mathematical set

#### **Questions three:**

- ✓ 1 Voltmeter (0-3v)
- ✓ 2 Ameter (0-1A)
- ✓ 1 Centre zero galvanometer
- ✓ 2 Sliding contacts

- ✓ 2 Switches labelled  $K_1$  and  $K_2$
- ✓ 1 Fresh size D dry cell marked E in a holder
- ✓ 2 Fresh size D dry cells in a holder labelled D
- ✓ 1  $1\Omega$  standard resistor labelled  $R_s$
- ✓ 1 Rheostat ( $0-50\Omega$ )
- ✓ 1 Slide wire potential meter
- ✓ 10 Pieces of connecting wire about 50cm long
- ✓ 1 Piece of connecting wire with one end connected to a crocodile clip to act as a jockey.