**MASAKA DIOCESE EXAMINATION BOARD**

**UCE MOCK EXAMINATIONS 2019**

**PHYSICS PAPER 3**

**Confidential**

**Question 1**

Graph paper scale

0.0cm

1 500ml glass or clear plastic beaker with graph scale marked from (0 – 5)cm with 1 small square representing 0.2cm.

1 300ml of clean water in a container.

1 Spring balance able to read mass in grams.

1 Rubber band or 60.0cm of knitting thread.

1 UM – 1 D size dry cell (Not necessarily fresh dry cell)

**Question 2**

1 Concave mirror focal length, *f* = 15.0cm

1 White screen

1 Screen with hole at its centre on which wire gauze is fitted.

1 Torch bulb (2.5V, 0.3A) in holder

1 Pair of fresh 1.5V D – size dry cells in holder

3 Connecting wires

1 Switch labelled K

1 Metre rule

1 Mirror holder

**Question 3**

1 Voltmeter (0 – 3V) or (0 – 5V)

1 Ammeter (0 – 1A)

2 Switch labelled K

1 Fresh 1.5V, D – size dry cell in a single cell holder

1 Piece of constantan wire, SWG 28, labelled, W, length 105.0cm long labelled A.

1 Crocodile clip and 1 jockey or 2 crocodile clips.

2 Pieces of cello-tape

6 Pieces of connecting wires about 50.0cm each.

1 Metre rule.

1 2Ω resistor labelled, R.