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**MAKUENI COUNTY CLUSTER PREPARATORY EXAMINATION 2016**  
**PHYSICS PAPER 232/3**  
**PRACTICAL**  
**CONFIDENTIAL**

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**Q1. Each candidate should have the following;**

- ✓ A rectangular glass of dimensions about  
l – 10cm  
w – 6.3cm  
t – 1.8cm
- ✓ Four optical pins
- ✓ 30cm transparent ruler
- ✓ Protractor
- ✓ A plain white paper fixed on the soft board

NB: The teacher to fix the sheet of paper for the candidate.

The teacher ensures the candidates removes the sheet of paper and attach it to the question paper for marking.

**Q2. Each candidate should have the following**

- ✓ Voltmeter 0 – 5V
- ✓ Ammeter 0 – 1A
- ✓ Micrometer screw gauge to be shared.
- ✓ Switch
- ✓ 2 new dry cells – Size D
- ✓ 8 connecting wires
- ✓ A wire AB – mounted on a mm scale SWG 28

NB: Teacher to mount the wire and label it as AB

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