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PHYSICS
CONFIDENTIAL
PAPER 3



KCSE ACHIEVERS PREDICTION



Kenya Certificate of Secondary Education

INSTRUCTIONS TO SCHOOLS.

This document must not be seen by the candidates whatsoever.

EACH STUDENT WILL BE PROVIDED WITH

Question 1

- Voltmeter (0 – 2.5V)
- Centre zero galvanometer
- Ammeter 0 – 1A
- A coiled resistant wire labeled **X** (nichrome wire SWG 30 of length 50cm)
- A resistance wire labeled **AB** mounted on a millimeter scale (nichrome wire SWG 32)
- 8 connecting wires each with crocodile clip at one end
- A switch
- A jockey/crocodile clip
- Six 10 ohms carbon resistors
- Two new size D dry cells
- Two cell holders of one cell each

Question 2

- A measuring cylinder of 50ml
- A test tube of mass between 12 - 15g
- About 200 ml of water in A 250ml beaker
- Six 1g ball bearings (From bicycle repairers)
- A vernier caliper
- Half meter rule
- Label
- A bare copper wire SWG 26 NB the wire should be 21 cm in length and a loop should be made on one end so that the final length of the wire is 20 cm
- A retort stand, boss and clamp
- An optical pin mounted on a cork
- A stop watch
- A micrometer screw gauge (to be shared)

