

MBITA-SUBA DISTRICTS JOINT EXAMINATION - 2012

232/3

PHYSICS

CONFIDENTIAL INSTRUCTIONS

PAPER 3

(PRACTICAL)

1. Each candidate will be required to have the following apparatus:

- One rectangular glass block(100mm x 60 mm x 20mm)
- One soft board
- Five sheets of plain papers
- 50ml measuring cylinder
- One 50g hooked mass
- 50 cm piece of thread
- Some water in a beaker (about 50ml)
- Four optical pairs.
- A pair of compasses, a protractor and a set square NB These three items are found in the student's geometrical set.
- One half metre rule
- Four office pins

N/B: The teacher in charge of physics should advice all candidates to have a fully equipped geometrical set before they get into the room for physics practical examination.

2. Each candidates will require the following apparatus:

- Two metre rules
- One half metre rule
- One voltmeter (0 – 3V or 0-5 v)
- One ammeter (0 – 1A)
- Two pieces of cotton thread each about 50 cm long
- Two heavy stand and two clamps.
- Six pieces of connecting wire, each at least 30 cm long, three of which are connected to crocodile clips at one end.
- One stop watch
- One lit candle
- One biconvex lens of focal length 20 cm mounted on a lens stand (holder)
- One new dry cell placed in a cell holder.
- One metre long michrome wire (S.W.G. 28) mounted on a table and labeled MN.
- Small amount of plasticine (about 20 g)
- One metre rule (One of the two metre rules already provided)
- One white screen

N/B: The teacher in charge of physics should ensure that the candle provided when hit; the dark core of the flame has the same height as the height of the centre of the lens mounted on its holder

- The teacher is further advised to ensure that there is a provision for providing a dark room.

NOTE:

The teacher is expected to mount the one metre long nichrone wire (S.W.G 28) on a table using cellotape as shown in the diagram below.

The mounted wire should be labeled MN.

