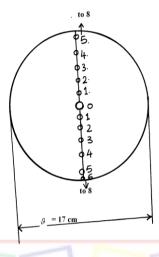


These instructions should not reach the candidates either directly or indirectly. Each candidate will require the following apparatus.

1. One circular card cut from carton box of thickness approximate (2-3) mm of diameter 17cm. Draw a diameter across the card and mark from the centre 8 holes at a distance of 1 cm a part as shown. Use a sharp Bic – Biro pen to make 8 holes on either side from the centre. Mark the holes as shown below.



- 2. One optical pin.
- 3. One cork
- 4. A stop watch or stop clock
- 5. One retort stand
- 6. a 30cm ruler.

QUESTION 2

PART A

- 1. A micrometer screw gauge (to be shared)
- 2. A voltmeter (0-3 or 0-5 W)
- 3. Ammeter (0-1A)
- 4. Microme wire SWG 28 (d = 0.35 mm) mounted on a mm. Scale with the ends labeled AB.
- 5. A switch
- 6. A jockey / A connecting with a of approx 50 cm Length having a crocodile clip attached to one end.
- 7. One new dry cell
- 8. At least eight connecting wires with clips attached to one end.

PART B

- 1. One metre rule
- 2. A lens holder.
- 3. A candle
- 4. A white screen.
- 5. A convex lens f.l 10cm