PRACTICALS

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 $(2-3) \mathrm{mm}$ of diameter 17 cm . 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 30 cm ruler.

## QUESTION 2

## PART A

1. A micrometer screw gauge ( to be shared)
2. A voltmeter ( $0-3$ or $0-5 \mathrm{~W}$ )
3. Ammeter (0-1A)
4. Microme wire SWG $28(\mathrm{~d}=0.35 \mathrm{~mm})$ 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 10 cm
