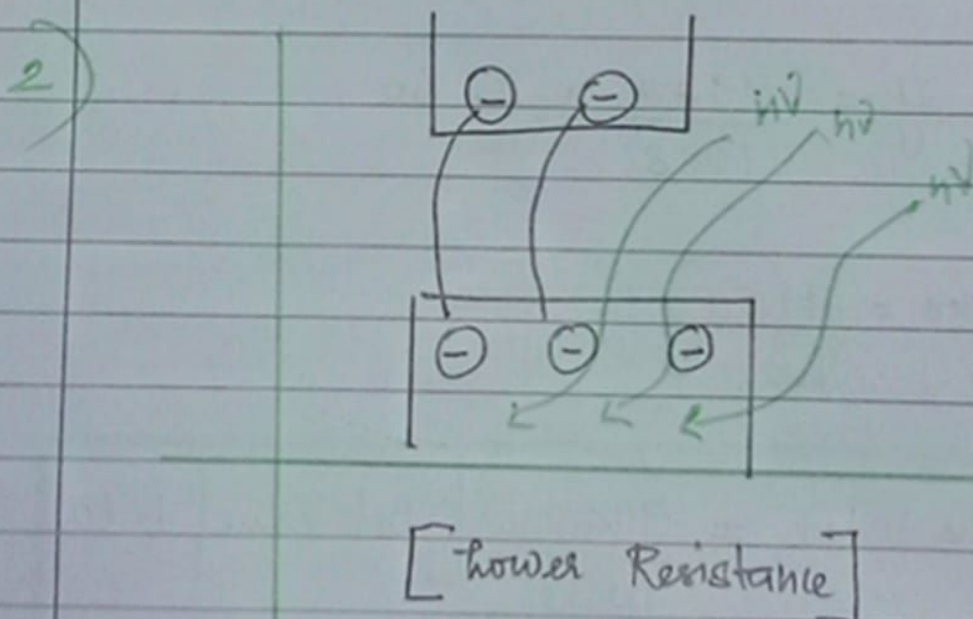
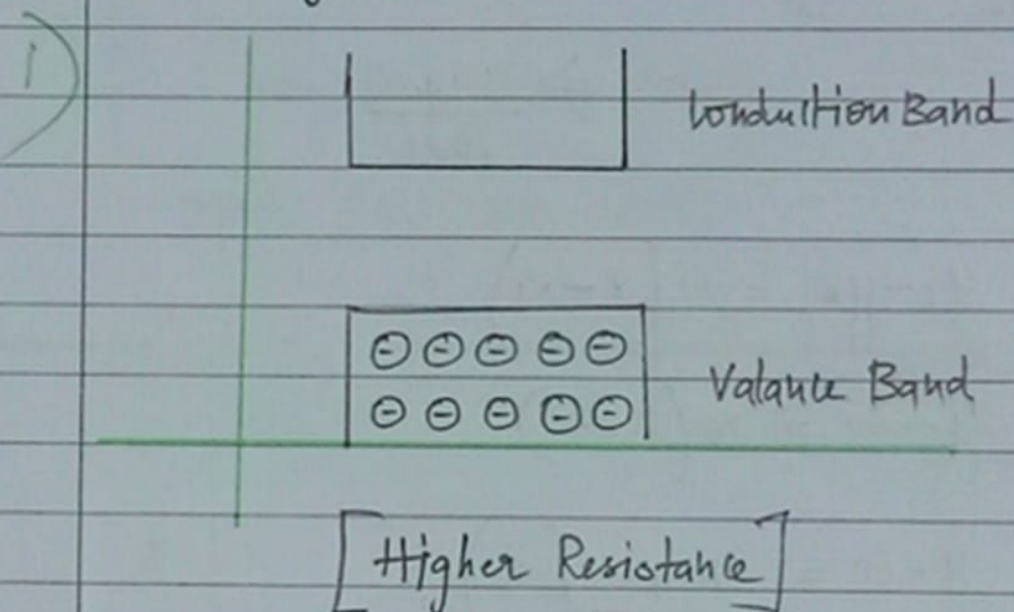


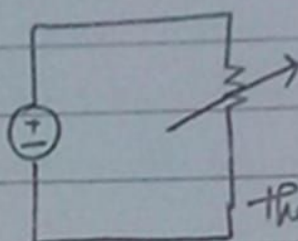
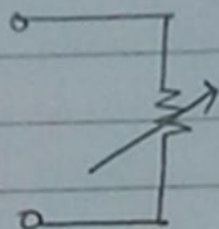
Module 25

Photo Resistor

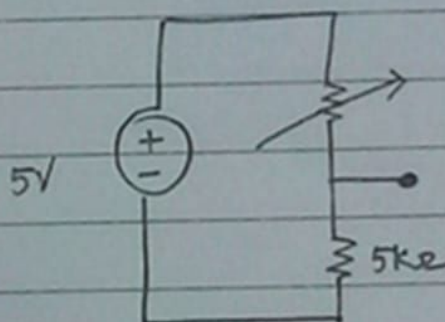
- * As the light increases, the Resistance decreases.
- * It is closely to Intrinsic semiconductor.



* The photoresistor will have Variable Resistance



* Only the
the Resistance can be
Measured.



* Here we have another
fixed Resistor connected to
to sensor because to
measure the current Value

$$I = \frac{5}{R_s + 5k}$$

$$\begin{array}{ccc} L \uparrow & I \uparrow & R \downarrow \\ L \downarrow & I \downarrow & R \uparrow \end{array}$$

$$V = \left(\frac{5}{R_s + 5k} \right) \cdot 5k$$

