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(C) Pumping :- It is a process in which light is used to raise electrons from a lower energy level in an atom or molecule to a higher one.

Ques 2:- Write down the short notes on the optical sensor. Also explain its advantage.

Ans:- An optical sensor converts light rays into electronic signals. It measures the physical quantity of light and then translates it into a form that is readable by an instrument.

Advantage of optical sensor :-

- High sensitivity,
- Chemically inert,
- Small and light weight,
- Suitable for remote sensing,
- Immunity to electro magnetic interference,

→ wide dynamic range,

→ Reliable operation,