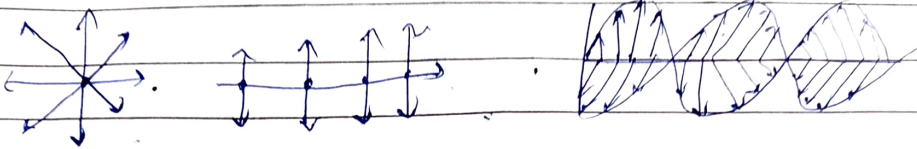
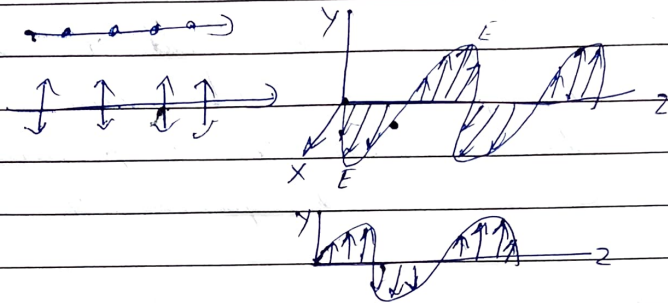


## Production of Plane Polarized light

unpolarized light



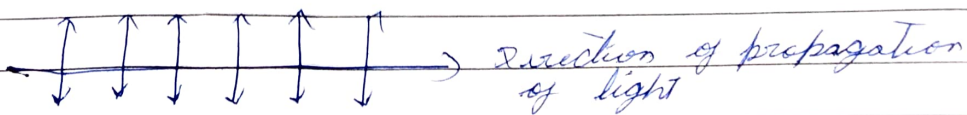
Plane polarized light



unpolarized light  $\rightarrow$

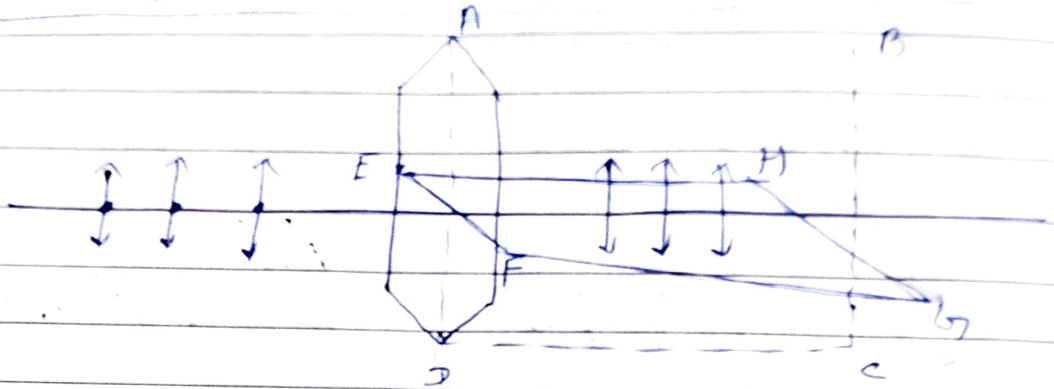
The light waves in which vibrations of electric field vector are distributed in all possible directions perpendicular to the propagation of light waves is called unpolarized light.

Polarized light  $\Rightarrow$  The light in which vibrations of electric field vector are confined or restricted in a particular direction perpendicular to the propagation of light waves, is called polarization light.



Polarized light in the plane of paper

## Plane of Polarisation & Plane of vibration



Plane of vibration  $\rightarrow$

The plane in which vibration of electric field vector are restricted in one particular direction perpendicular to the direction of propagation of light wave is called plane of vibration.

Plane of polarisation  $\rightarrow$

The plane which is perpendicular to the plane of vibration is called plane of polarisation.