



PHYSICS

BOOKS - BETTER CHOICE PUBLICATION

POLARISATION OF LIGHT

Very Short Answer Type Questions

1. State Brewster's law of polarisation of light.



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2. What information do we get about the nature of light by polarisation?



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3. What is a plane polarised e.m. wave?



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4. What is polarisation of light? Explain polarisation of light by reflecting with the

suitable diagram and hence derive Brewster's Law.



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5. Define critical angle and polarising angle. What is the relation between the two?



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Short Answer Type Questions

1. Explain Polarisation.

Explain the difference between polarised and unpolarised lights.



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2. State Brewster's law of polarisation of light.



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3. State Brewster's law of polarisation of light.



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4. State Brewster's law of polarisation of light.



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5. State Brewster's law. Obtain the relation between the Brewster angle and refractive index for medium which produces Plane Polarized light.



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6. State Brewster's law. Show that the reflected ray and the refracted ray are perpendicular to each other, when the angle of incidence is equal to polarising angle.



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7. What are polaroids? Write their four uses.



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Long Answer Type Questions

1. What is polarisation of light? Explain polarisation of light by reflecting with the suitable diagram and hence derive Brewster's Law.



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Most Expected Questions

1. Sound waves in air cannot be polarised because they are:



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2. Does the value of polarising angle depend on the wavelength of light?



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3. What do you mean by the term crossed polaroids?



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4. What is the polarising angle of a medium of refractive index $\sqrt{3}$?



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