

e-Edge Education Centre

Time -1h	XII B Physics	M.M -23	
.What is meant by f	ringe width .Derive an expre	ssion for fringe width	in interference
pattern?			[3]
State and explain B	rewster's law.		[2]
Staten Huyghen's	principle and prove the (i) la	ws of reflection and ((ii) law of refraction
on the basis of wave	e theory.		[5]
What is meant by in	terference of light? Discuss	young's double slit ex	xperiment to
demonstrate interfe	rence of light.		[2]
. Derive the condition	ns for constructive and destr	uctive interference.	[3]
Draw a labelled dia	gram of a compound microso	ope .Deduce an expre	ession for its
magnifying power.	How can the magnifying po	wer be increased?	[3]
Draw a labelled diag	ram of an astronomical teles	copeDeduce an exp	pression for its
magnifying power v	when the final image is (a) at	infinity (b) at least di	istance of distinct
vision.			[5]
	.What is meant by frequency? State and explain B Staten Huyghen's gon the basis of wave What is meant by in demonstrate interfe. Derive the condition Draw a labelled diagram agnifying power. Draw a labelled diagram agnifying power was stated to the part of t	.What is meant by fringe width .Derive an expres pattern? State and explain Brewster's law. Staten Huyghen's principle and prove the (i) law on the basis of wave theory. What is meant by interference of light? Discuss y demonstrate interference of light. Derive the conditions for constructive and destructive and labelled diagram of a compound microsomagnifying power. How can the magnifying power braw a labelled diagram of an astronomical teles magnifying power when the final image is (a) at	.What is meant by fringe width .Derive an expression for fringe width pattern? State and explain Brewster's law. Staten Huyghen's principle and prove the (i) laws of reflection and (on the basis of wave theory. What is meant by interference of light? Discuss young's double slit expression demonstrate interference of light. Derive the conditions for constructive and destructive interference. Draw a labelled diagram of a compound microscope .Deduce an expression power. How can the magnifying power be increased? Draw a labelled diagram of an astronomical telescopeDeduce an expression power when the final image is (a) at infinity (b) at least definition of the control