Class 10 Physics Test Attempt all the questions: Total points 3/12	2 ?
Email address *	
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1. Which of the following property of waves does not change when it travels from one medium to another: *	1/1
velocityfrequencywavelengthamplitude	✓
2. Which is the correct option for refractive indices of red and violet? *	1/1
μ red > μ violet μ red = μ violet μ red < μ violet	✓



X	3. State lens formula. Also state what the symbols stand for. *	/2
(1/v	y)-(1/u)=(1/f) where v is distance of image, u is distance of object and f is focal gth.	X
Corr	ect answers	
1/f=	= 1/v - 1/u	
f= f	ocal length, v= image distance, u = object distance	
✓	4. Which of the following relationship is correct? *	1/1
•	Refractive index = Real depth/Apparent depth	✓
0	Refractive index = Apparent depth/Real depth	
0	Refractive index = real depth x apparent depth	
×	5. State the position, nature and size of image formed by a convex lens the object is kept between F and 2F. *	if ···/3
Bey	rond 2F2 ; Magnified, real and inverted.	×
Corr	ect answers	
Bey	ond 2F on the other side	
Rea	l and inverted	
Mad	gnified	

×	6. A ray of light incident on a lens parallel to its principal axis , after refraction passes through or appears to come from:	0/1
•	its first focus	×
0	its optical centre	
0	its second focus	
\circ	none of the above	
Corr	rect answer	
	its second focus	
	7. A convex lens forms an erect and 3 times magnified image of an object placed at a distance of 10 cm in front of it. Find: (a) the position of image (b) the focal length of the lens. Setween F1 and optic centre. 5 cm	···/3 of
m (á v:	eedback n= +3, u= - 10 a) m= v/u or 3 = v/u ,or v= 3u = 3 x (-10) = - 30 cm, image is 30 cm in front of the lens b) 1v- 1/u = 1/f, by solving f= 15 cm. (So object is between focus and optical centre.	
0	Option 1	

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