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5. Refraction of Light at Plane Surfaces

1. Speed of	1. Speed of light in vacuum is							
2. Mirage is	2. Mirage is an example of							
3is th	3is the basic principle of optical fibre.							
4. The unit	4. The unit of refractive index is							
5. The angle of refraction for critical angles is								
6. The critical angle of diamond is								
7. Refractive index of glass is 3/2. Then the speed of light in glass is								
8. $n_1 \sin i = n_2 \sin r$ is called								
9. A lemon kept in a glass of water appears to be								
10.Refractive index of water is								
11.Speed of light of a medium depends upon of the medium ()								
a) Mediu	n b) Optical	Density	c) Mate	erial	d) Volume	,		
,	, I	J			,			
12.Speed of	light in vacuun	n is nearly eq	lual to		()		
a) 2×10^8	m/sec b) (0.3×10^8 m/se	c c) 3×10) ⁸ m/sec	d) 4×10^8 m	n/sec		
13.The critic	al angle of dia	mond is			()		
a) 24.8°	b) 24.4°	c) 2	23.4°	d) 22	.4°			
,				,				
14. The angle of refraction for critical angle is ())		
a) 60°	b) 90°	c) 8	30°	d) 45	0			
15.In a glass slab, refraction takes place times ()								
a) 5	b) 2	c) 3	3	d) 4				
		, 		,				
16. The brilliance of diamond is due to ())		
a) Refrac	tion b) Re	flection	c) Inter	ference	d) Total int	ternal Reflection		
17.Refractive index of a medium depends on					()		
a) Nature of material b) Wavelength of light used								
、 -	1	1\	-					
c) a and	b	d) None						

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18. When light ray travels from denser to rarer medium, the relation between r and i is _____

(a) r = i b) r > i c) r < i d) $r \ge i$

19.A lemon kept in a glass of water appears to be ()

a) Bigger b) Smaller

c) Same size d) Some Times Bigger Sometimes Smaller

- 20. $\frac{n_2}{n_1} = \frac{\sin i}{\sin r}$ is called_____
 - a) Snell's law b) Boyle's law c) Pascal's law d) Graham's law

Answers

1) 3×10^8 m/sec	2) Total Internal Reflection	3) Total internal Reflection
4) No units	5) 90°	6) 24.4°
7) 2×10^8 m/sec	8) Snell's law	9) Bigger
10) 1.33.	11) b	12) c
13) b	14) b	15) b
16) d	17) c	18) b
19) a	20) a	