SLIP TEST- 5

CHAPTER- 5: REFRACTION OF LIGHT AT PLANE SURFACES

Name:			Section:	Ro	II No:	M	ax.Marks	s:20
I. Answer th	ne following qu	estions. I	Each carrie	es four m	narks.		2 x 4 =	8 M
1) In which o	of the following s	substance	s does the	light trave	els fastest?	In which th	e light	
•	west? Explain b			•			J	
	<u> </u>		ce Keros		ater			
R	efractive Index	1.003 1	.31 1.4	14 1.	33			
	tical angle. If 'C				t is the form	ula for "sin	C"?	
•	ith a neat diagra		0 /					
II. Answer t	he following qu	uestions k	oriefly. Eac	ch carrie	s two mark	S.	2 x 2 =	4 M
3) What is T	otal internal inte	rnal reflec	tion? What	t are the o	condition for	Total inter	nal	
reflection?		inai ronoc	Mon. Wila	t are the t		rotal littor	i i ai	
	e formation of r	nirages						
•	the following ir	•	wo senten	ces. Eac	h carries o	ne marks.	2 x 1 =	2 M
	_							
•	ell's law of refract factors does the		o indovidor	20nd2				
•	the correct cho				ivon brack	nte.	6 x 1 =	6 M
		1	0				0 X I =	O IVI
-	ctive index of gla		spect to ai	r is 2. The	en the critica	al angle of		
glass-air i A. 0°	nterface is B. 45°		C. 30°	0	D. 60°		[J
	ם. 45 rnal reflection ta			ight roy t			r	1
	denser mediur		B. rarer				L]
	to rarer mediur				ser medium			
	efractive index					nedia (n _{ss}) -	_ г]
		3000110					-····· [J
$\mathbf{A.} \frac{n_2}{n_1}$	B. $\frac{n_1}{n_2}$		C. $\frac{1}{(n_1+n_2)}$	2)	D. $\frac{1}{(n_1-n_2)}$)		
10) Refractiv							[]
A. 	Thickness of the gloess of the gloess of the glass slab	ass slab	 В. 	Thickness	of the glass slo	ıb		
Thickno	ess of the glass slab	–verticai sn	ift Thickn	iess of the g	iass siab+veri	icai snift		
•	Thickness of the glo	ıss slab	D	Thickness	of the glass sla	ı b		
C. Thickne	Thickness of the glo ess of the glass slab	–Lateral shi	$\frac{-}{ft}$ D. $\frac{-}{Thickn}$	ess of the g	lass slab+Late	ral shift		
11) When lig	travels from	one media	to anothe	r media, (Changing th	e direction	of	
light ray	at the interface	is					[]
A. reflec	tion B. refra	ction	C. diffra	ction	D. dispe	rsion		
12) Accordi	ng to the given t	figure, whi	ch is true	Г	\		[]
A. 'A' is	rarer media, 'B'	is denser	media			A		
B. 'A' is	denser media,	B' is rarer	media			/\		
C. choic	e(A) and choice	e(B)						
D. Neith	er choice(A) no	r choice(B	5)			B		
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