emergent ray are:			
a. Parallel	a. Parallel c. Perpendicular		
b. Makes and acute angle d. Makes and obtuse angle			
11. The refractive index of	air with respect to water is	1.33. Then refractive in	dex of water with respect to
air is,			
a. 0.35	b. 0.45 c. 0.6	5 d. 0.75	
12. The refractive index of	glass is 1.5. Then velocity	of which light is minim	um in the glass,
a. Violet	b. Red	c. Yellow	d. Green
13. The refractive index of	glass is 1.5 and water is 1.3	33. Then what is the crit	tical angle for glass water
interface,			
a. $48^{0}$	b. 54.6 <sup>0</sup>	c. $56^{0}$	d. 62.63 <sup>0</sup>
14. A light ray is passed from	om one medium of refractiv	e index $\mu_1$ to another	
	ndex $\mu_2$ as shown in fig. The		en
a. $\mu_1 > \mu_2$			$\mu_2$
b. $\mu_1 = \mu_2$			
c. $\mu_2 > \mu_1$			$\mu_1$
d. Cannot find rela	ation		
15. If the refractive index of	of water is $\frac{4}{3}$ and that of glass	s slab immersed in it is	5
	For a ray of light tending to $g$		3
_		_	11.4
3	b. $\sin^{-1}(\frac{3}{4})$	3	3
	ters to a medium of $\mu = 1.5$ .	. If it crosses it within a	nanosecond, the thickness of
the medium is,			
a. 10 <i>cm</i>	b. 20 <i>cm</i>	c. 40 <i>cm</i>	d. 70 <i>cm</i>
	ptical media of respective cr		
	and also from B to C but no	t from C to A. The corr	ect relation for the critical
angles will be,			
	b. $C_1 = C_2 = C_3$		
18. A mark at the bottom of	of the tank $1m$ deep appears	to be raised by $0.1m$ . T	The value of refractive index of
liquid tank is;			1
a. $\frac{10}{9}$	b. 10	c. $\frac{4}{3}$	d. $\frac{1}{10}$
9		3	10

10. The ray of light entering into a rectangular glass slab emerges from the slab. The incident ray and