WK 26 \* 179-186 WEDNESD

JUNE	11	12	13	14	1 8 15	16	17
AY	25	26	27	28	22 29	30	24
Chapter - Retraction of di	aht						

The change in direction of light when it passes from rowe medium to another obliquely, is called refraction of light.

to another obliquely is called refraction Restangular

3 glass slab

The angle between the incident ray and the the angle of incidence: incidence) is called

The angle between the refracted way and the normal fat the point of incidence) is called the angle of refraction.

In the refraction of light, the angle of refraction is usually not equal to the angle of incidence.

2023

JUNE - 2023 WK 26 • 181-184 JUNE Normal 20 21 FRIDAY The light emerges from a parallel-sided glass slas in -gean a direction parallel with that in which it enters the glass slab. The perpendicular distance between and the emergent may coming out displacement of glass slas is called lateral displacement of emergent The angle which the emergent may make with the normal is called the engle of emergence. The cose of light falling Normally on a glass slob. If the incident ray falls normally to the surface of a glass slab, then there is light, and it goes straight. AU

AUGUST - 2023  N T W T F S S  1 2 3 4 5 6  1 2 3 4 5 6  1 1 2 13  1 15 16 17 18 19 20  1 15 16 17 18 19 20  1 12 23 24 25 26 27  2 23 24 25 26 27	WK 27 • 184-181 JULY	O3 MONDAY
Refractive inden and	speed of light	ht
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inedium 2 with respective inden of medium 2 with respect to redium 1 is equal to ratio of speed of light in	et to	Speed
2 ratio of speed of light in medium 2 to the speed of light in medium &	. 8	BILL
when light is going for another medium them is called the rel	ative refract	ine indes
when light is going from the varied the absolute of	lue of refractive indi	en:
A substance having high optically denser than having lower refuse	her refractive another sub	inden is
Migher the refractive		

2 3 4 5 6 7 9 10 11 12 13 14 16 17 18 19 20 21 23 24 25 26 27 28 JULY of light possing through it from it's mass density. Refraction of light by spherical lenses of light rays when they pass through it. (i) A conven less is thick at thecentre but chinnes at the edges. (ii) A concave less is thin in middlebut thicker at the edges. conven ans correave ters).

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AUGUST - 2023  M T W T F S S  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	WK 27 • 186-179 O5  JULY WEDNESDAY
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10 light rays passing il	rough it
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l'ancave lens is all	so known as a diverging is a parallel beam of
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5 Brollel Rays	hight my diverging
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6	A CONTRACTOR OF THE PARTY OF TH
7	
Rules for obtaining in	rages formed by conventers.
Rule 1 A gray of light	which is parallel to principal &
anis of a corrier len	, passes through its
jour after regracino	which is parallel to principal & passes through its its wherenigh the lens.
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AUGUST - 2023  M T W T F S S  1 2 3 4 5 6  7 8 9 10 11 12 13  14 15 16 17 18 19 20  21 22 23 24 25 26 27  28 29 30 31	WK 27 · 186-179  JULY  WEDNESDAY
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Parlel Rays	Lower and a stight rouge
2	contiguing a division a
less because light ray	lens is also known as a diverging e it diverges a parallel beam of b.  diverging lens of concour lens
s brolled ears	
Rules for o	training images formed by conventens
	ter refraction through the lene.
RI BERNESINE	2023

WK 27 + 187-178 comen less Rule & A may of light passing through the optical centre of a conventens goes straight after refraction through the lens fasses through rincipal anis of a convex lens becomes parallel to its less. Comen less 2023 To stay ahead, you must have your next idea waiting in the wings.

Position of isbjel bailton es ing Fire of may Natural ng i) Between F& lens Enlarged Virtual & Eget same side as abject LUI At + Highly Enlarged Ken & invested at infinite in Between f & 2 f pularged Real & invested Beyond 27 w) Atal A9 21 Some size asob Real & invested Real & mueiller V) Beyond 21 Letreen & 226 diminished Vi) A infritty Highly diminitoffed a invested uses of couver lens (ii) Used in making a simple carriera (ii) Used in spectacles to correct hypermetropia (iii) Used in making magnifying glass. (iv) Used in making magnifying glass. dens formula 1 - 1 = 1 V u + v = image distance of = pocal length

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