

Date: - Sep. 30, 2024

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CLASS - VIII

Subject - PHYSICS

Chapter - 7

Reflection of light

7(A) Laws of Reflection and formation of image by a plane mirror

Q1 Define Reflection of light ?

Ans The return of light in to the same medium after striking a surface is called reflection of light.

Q2 :-> How can we see different objects around us?

Ans :- Due to the reflection of light.

Q3 :- What are the kinds of reflection?

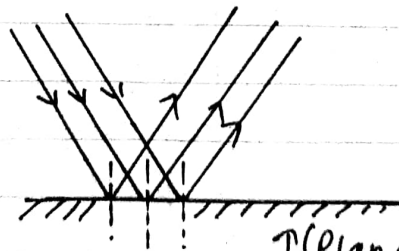
Ans :- There are two kinds of reflection

(1) Regular reflection

(2) Irregular reflection

Q4 :- Define regular reflection ?

Ans :- It occurs when a beam of light falls on a smooth and polished surface, such as a plane mirror.



↑ (Plane mirror)

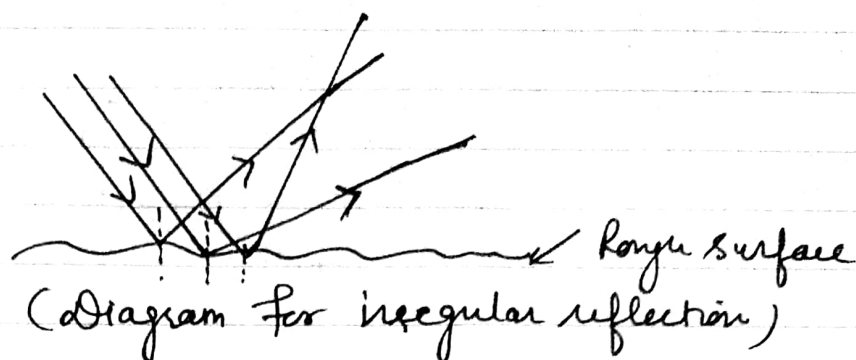
(Diagram for regular reflection)

Q5 - Define irregular reflection ?

Ans It occurs when a beam of light falls on a rough or ordinary surface such as a wall

of a room.

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Q6: → Define the following terms.

- (a) Incident ray
- (b) Reflected ray
- (c) Normal
- (d) Angle of incidence
- (e) Angle of reflection
- (f) Plane mirror

Ans

- (a) Incident ray :→ The ray strikes the reflecting surface is called the incident ray.
- (b) Reflected ray :→ The ray obtained after reflection from the surface in the same medium of incident ray is called as reflected ray.
- (c) Normal :→ The normal drawn to the reflecting surface at the point of incident is called the normal.
- (d) Angle of incidence :→ The angle which the incident ray makes with the normal at the point of incidence is called as angle of incidence.
- (e) Angle of reflection :→ The angle which the reflected ray makes with the normal at the point of incidence is called as angle of reflection.