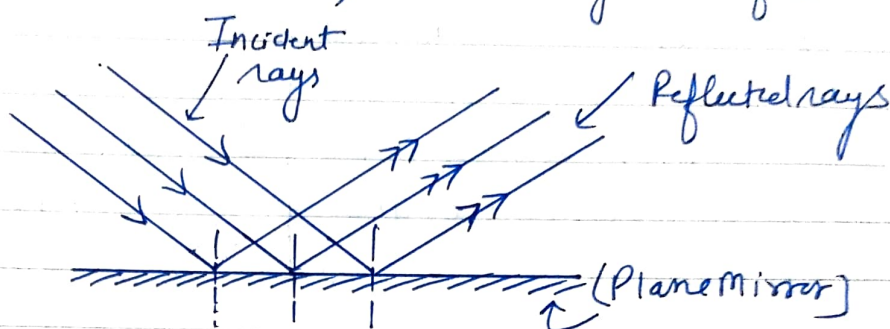
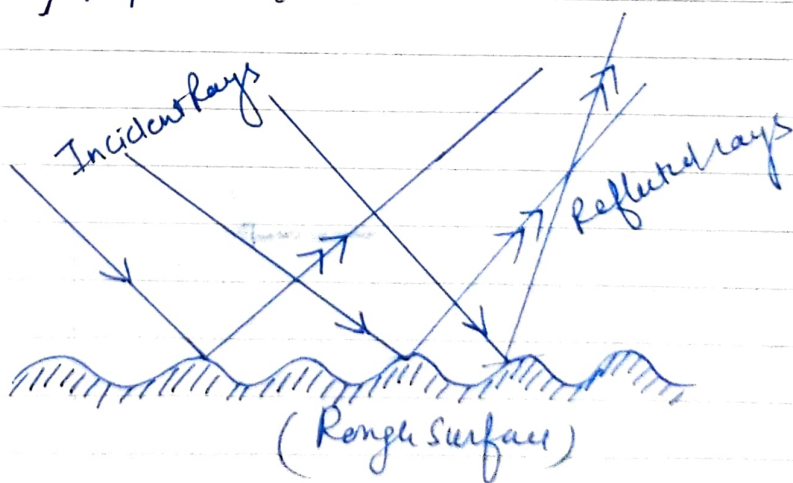


Date: - 21/10/24

Teacher: - Charanjot Kaur

Q12: → Define Regular reflection.Ans The reflection from a smooth and polished surface, such as a plane mirror, is called regular reflection.Q13: → What is irregular reflection or Diffused reflection? Give an example of an uneven surface.Ans: → The reflection from a rough surface or an uneven surface is called irregular or diffused reflection. For e.g. wall, paper and wood.Q14: - State three uses of A plane mirror.

- Ans
- (i) As a dressing mirror
 - (ii) In Barber's shop for seeing the rear view at the back.
 - (iii) A rear view mirror in front of the driver in a vehicle.

(iv) In periscopes and solar cookers, plane mirrors are used as reflectors. Page 2

Q15 What is the speed of light in vacuum or air?

Ans: → Speed of light in vacuum or air $\Rightarrow 3 \times 10^8 \text{ m/s}$

Q16: → What happens to the speed of light; when ray of light travels from water or glass to air.

Ans: - Light speeds up.

Q17: → What happens to the speed of light; when light travels from air to glass or water.

Ans: → Light slows down.

Q18: → What are the prominent colours of white light or constituent colours of white light?

Ans: →

1. Violet	5. Yellow
2. Indigo	6. Orange
3. Blue	7. Red
4. Green	

Q19: → What are the primary colours of light? Name the three primary colours.

Ans: → The colours of light by mixing which white light is obtained are primary colours.
Three primary colours are Red, Green and Blue.