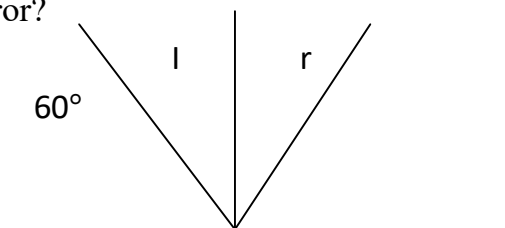


## LIGHT

1. What do you understand by rectilinear propagation of light? Describe an experiment to show this.
2. What is reflection? List main laws of reflection.
3. Differentiate between real and virtual images.
4. What are the properties of an image formed by a plane mirror?
5. What is lateral inversion? Explain with help of an example.
6. Explain the following with the help of a diagram.
  - a) Principal focus
  - b) Centre of curvature
  - c) Principal axis
  - d) Pole
7. Differentiate between concave and convex mirrors.
8. Why do dentists use a concave mirror?
9. What kind of mirror will you use as a rear view mirror in a car- convex or concave?
10. Define-
  - a. Optical centre
  - b. Focal length
  - c. Principal focus
11. List main characteristics of image formed by convex lenses.
12. What do you understand by spectrum?
13. In which mirror are all normals at the surface parallel to each other- spherical or plane?
14. What do you mean by 'angle of incidence' of a ray of light on a plane mirror?

15.



Find 'r'.