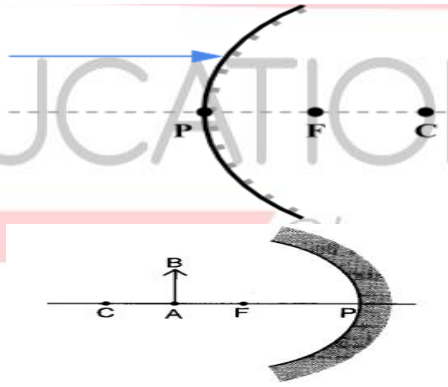
Chapter- 5

LIGHT ENERGY

WORKSHEET

1. State the two laws of reflection.
2. Draw a labeled diagram showing refraction of light through a glass slab.
3. A driver uses a convex mirror as a rear view mirror in vehicles. Justify.
4. State the kind of mirror used
   a. By a dentist
   b. As a street light reflector.
5. What happens when a polychromatic light ray passes through a prism.
6. The radius of curvature of a convex mirror is 30 cm. Find its focal length.
7. The focal length of a concave mirror is 13 cm. Find the radius of curvature.
8. The focal length of a convex mirror is 22 cm. Find its radius of curvature.
9. Re draw



10. Draw ray diagrams to describe the nature, position and relative size of the image formed by a concave mirror for the object

    (I) When the object is placed between the center of curvature and the focus of the concave mirror.