

## Key Notes

### Chapter – 16

#### Light

- **Light:** The natural agent that stimulates sight and makes things visible. Light is reflected from all surfaces.
- Regular reflection takes place when light is incident on smooth, polished and regular surfaces.
- Diffused/irregular reflection takes place from rough surfaces.
- **Reflection of Light:** Bouncing back of light after striking the surface, in the same medium, is called reflection.
- **Types of Reflection:**
  - (i) **Regular Reflection:** When a narrow beam of light strikes a mirror, the light will not reach your eye unless your eye is positioned at just the right place where the law of reflection is satisfied.
  - (ii) **Diffused or Irregular Reflection:** When light is incident upon a rough surface, it is reflected in many directions.
- Two laws of reflection are:
  - The angle of incidence is equal to the angle of reflection.
  - Incident ray, reflected ray and the normal drawn at the point of incidence to the reflecting surface, lie in the same plane.
- Image formed in a plane mirror undergoes lateral inversion.
- Two mirrors inclined to each other give multiple images.
- Beautiful patterns are formed in a kaleidoscope because of multiple reflections.
- Sunlight, called white light, consists of seven colours.
- Splitting of light into its constituent colours is known as dispersion.
- Important parts of the eye are cornea, iris, pupil, lens, retina and optic nerves.
- A normal eye can see nearby and distant objects clearly.
- Visually-challenged persons can read and write using Braille system.
- Visually-challenged persons develop their other senses more sharply to improve their interaction with their environment.
- **Parts of Human Eye:**

# Ch 16 Light Study Guide Key

**Thomas C. Campbell, Robert G. Fuller**



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