

## PRACTICE TEST PAPER: CLASS-X

### REFRACTION AND DISPERSION OF LIGHT (x)

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1. What is reflection? List main laws of reflection?
2. What is refraction? Why does coin appear to raise when kept in water? Explain with the help of diagram.
3. What are main causes of refraction of light?
4. What do you understand by refractive index? What is relation between refractive index and optical density?
5. What are main rules of refraction, use ray diagram?
6. Draw ray diagram of refraction of light by a glass slab.
7. Draw white light by a glass prism. What is dispersion of white light.
8. What are lenses? Define main terms:-
  - 1) centres of curvature. 2)optical centre 3)principal axis 4)focal length
  - 5)principal forces.
9. Draw ray diagram for convex lens. When object is placed at 1) infinity 2)beyond  $2f$  3)at focus
- 10.What is total internal reflection?