

The Human Eye and Colorful World – In-Text Questions

Q.1 What is meant by power of accommodation of the eye?

Sol. The power of accommodation of the eye is defined as the ability of eye by which it can see nearby objects as well as faraway objects by changing its focal length with help of ciliary muscles.

Q.2 A person with a myopic eye cannot see objects beyond 1.2 m distinctly. What should be the type of the corrective lens used to restore proper vision?

Sol. The person should use concave lens to restore proper vision.

Q.3 What is the far point and near point of the human eye with normal vision?

Sol. The human eye with normal vision have:

- (a) Far point - infinity
- (b) Near Point - 25 cm.

Q.4 A student has difficulty reading the blackboard while sitting in the last row. What could be the defect the child is suffering from? How can it be corrected?

Sol. The child is suffering from Myopia defect. It can be corrected by use of concave lens.