

Q: Explain short & far sightedness.

Short-Sightedness :

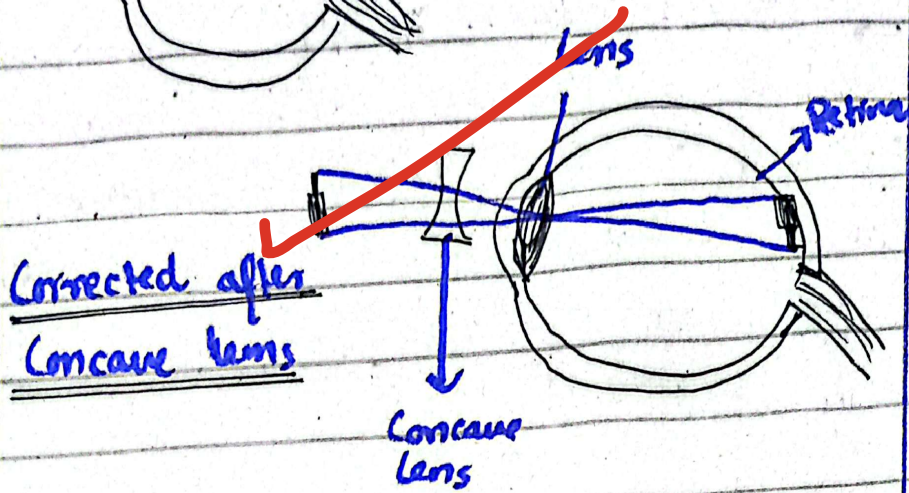
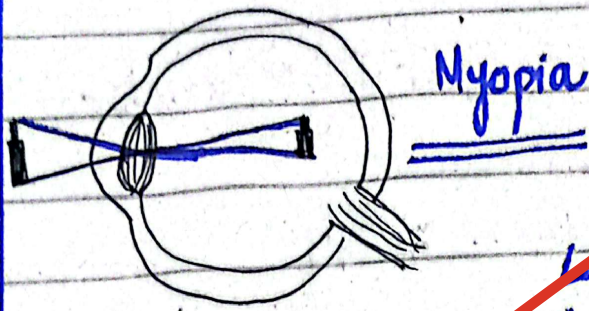
Short sightedness also known as "myopia" refers to the condition where distant objects appear blurry while close objects are seen clearly.

Cause of Myopia :

Myopia or short-sightedness can occur if the eye-ball is too long or the cornea is too short or curved. This cause light rays to focus in front of the retina instead of on it.

Corrections :

1. Use of Concave lens in glasses or lenses
2. Refractive surgery like "Lasik"



→ Far-Sightedness :

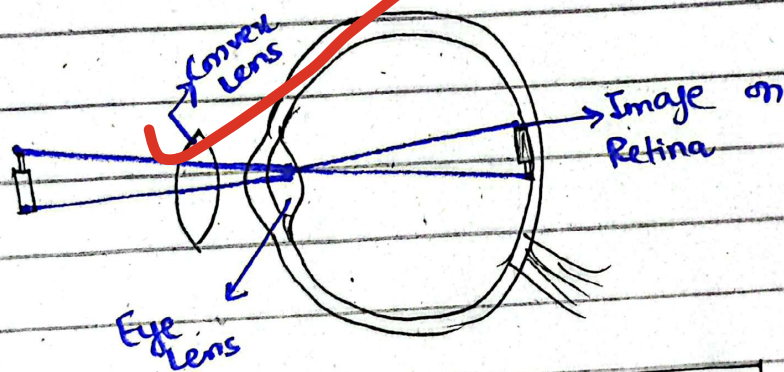
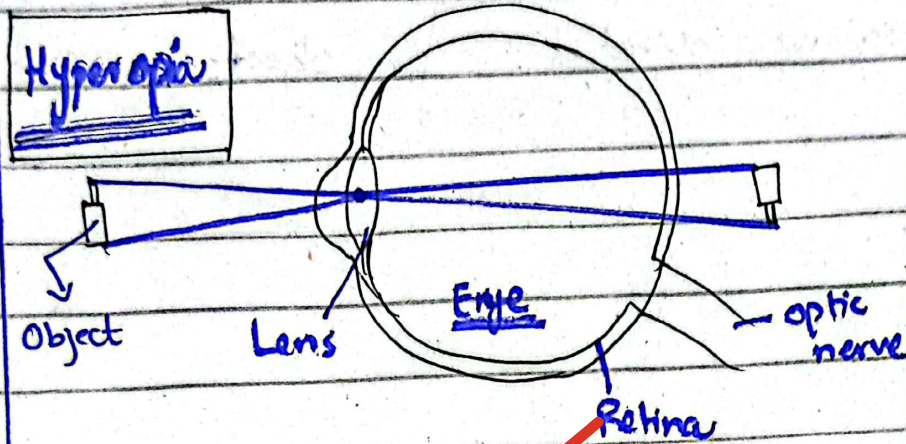
Far-sightedness is also called as hyperopia. It is a condition where ^{close} objects appear blurry, but distant objects are seen clearly.

Cause of Far-Sightedness :

The eyeball is too short, or the cornea is too flat, causing light rays to focus behind the retina.

Correction :

1. Use of Convex lenses in glasses or contact lenses.
2. Refractive Surgery.



Corrected Hyperopia

(4)

good attempt!!!