

Q: Myopia:- Two causes of myopia are :-

- ⇒ Defect in the shape of the eye.
- ⇒ Depth of eyeball being too much.

Hypermetropia:-

- ⇒ Decrease in size of eyeball.
- ⇒ Power of eye lens decreases.

2: Far Point

Near Point

⇒ It is the point of visual perception is the farthest point from which an object's image can be projected on retina with the eye's accommodation.

⇒ The far point of the eye is maximum distance at which the eye can see objects clearly.

⇒ It is the point nearest within the eye's accommodation range at which an object can be positioned and still form a focused image on retina.

⇒ The near point of the eye is a minimum distance of 25cm.

3: The membrane grown over an eye lens due to which it becomes hazy is known as cataract. It can be cured by getting a surgery.

4: Power of accommodation is the ability of the eye lens to focus near and far objects clearly on the retina by adjusting its focal length.