

22/07/21

(1) Mention two causes of :-

(i) Myopia -

- Excessive curvature of eye lens
- elongation of eyeballs.

(ii) Hypermetropia - • eye balls become short

- focal length of eye lens becomes large

(a) Differentiate between near point and far point of the normal human eye.

Near Point

- Near point is the closest distance from the eye which can be seen clearly by the eye.
- The near point of a normal human eye is 25 cm.

Far Point

- Far point is the farthest distance from the eye that can be seen clearly by the eye.
- The far point of a normal human eye is infinite.

(b) What is a cataract?

Cataract is a condition in which crystalline lens of eye becomes milky and cloudy due to the growth of membrane over it. It can be treated by doing a surgery.

(c) What do you mean by Power of Accommodation?

The maximum variation in the power of eye lens for focussing near or far objects, clearly at retina is called the power of accommodation.