

Ans

Q1.

(i)

Mention two causes of ~~Hypermetropia~~ ^{Myopia}. The eyeball becomes too small & retina is reduced.

- focal length of eye lens becomes too large.

(ii)

Myopia - The eye lens becomes convex. Depth of eye ball lengthened from front to back.

Q2. Differentiate between near point & far point of normal human eye.

A Far point

- It is infinitely far from eye
- It is farthest point upto which the eye can see object clearly.

Near point

- It is 25cm for normal eye
- The minimum distance at which object can be seen with distinctness without strain

Q3. What is a cataract? How it can be treated?

A Cataract is a condition in which eye lens becomes cloudy & eyesight becomes foggy.

It can be treated by surgery. The opaque lens is removed & a new artificial lens is inserted.

Q4. What do you mean by power of Accommodation?

A Ability of eye lens to focus near & far objects clearly on retina by adjusting its focal length called power of accommodation.