

# Human Eye & the Colourful World

Q Why does it take time to see the objects in a dim room when you enter the room from the bright sunlight outside?

A In bright light the size of the pupil is small to control the amount of light entering the eye. When we enter a dim room, it takes some time so that the pupil expands to allow more light to enter the eye so that we can see things clearly.

Q Mention the function of (i) Iris (ii) Eye lens (iii) Retina

A Iris  $\rightarrow$  It controls the size of the pupil

Eye lens  $\rightarrow$  It helps to form real, inverted & diminished image of the Object.

Retina  $\rightarrow$  It helps to form the image over it.

Q How exactly can we see nearby objects & far-away objects.

This happens due to a phenomenon of "power of Accommodation." The ciliary muscles contract & relax to allow us to see nearby and far objects clearly by changing the focal length of the lens.