B)CHOROID

- Bluish middle layer. Contains many blood vessels.
- Choroid is thin over posterior two-thirds of the eyeball, but it is thick in the anterior part to form ciliary body.
- Ciliary body continues forward to form a visible pigmented and opaque portion of the eye called the iris.
- Iris has a central opening called pupil. The diameter of the pupil is regulated by the muscle fibres of iris.
- This helps to regulate the amount of light entering the eye.
- The eyeball contains a transparent crystalline lens.
- -It is held in place by ligaments attached to the ciliary body.
- "Closing of the eyelids when light falls on them.
- "Knee jerk phenomenon.
- "If a child sees or smells a food unknown to him, he does not salivate
- But if he sees or smells that food every time before tasting it, he salivates (conditioned reflex). sense organ to CNS.

 § Intermediate (cornector leurons:
 It connects sensor) and motor reurons.

 § Motor (efferent/effector/excitor)
 It conducts

 moule The pathway of impulses in a reflex action is called Reflex arc.

impulse from the CNS to effector organ.

§ An effector organ (muscle/gland):

It responds to impulse.

C)RETINA

- Inner layer.

It contains 3 layers of cells – from inner to outer

- ganglion cells, bipolar cells & photoreceptor cells.
- Photoreceptor cells are 2 types: rods and cones.

They contain photosensitive proteins (photopigments).

- Photopigments are formed of opsin (a protein) and retinal (an aldehyde of vitamin A).

CONE CELLS

- Function: Daylight (photopic) vision & colour vision.
- There are 3 types of cones containing photopigments