

## Questions related to Human Eye

### Description

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- What is the time interval of firmness of vision in our brain? 1/16 S
- What is the image formed on the retina of the normal eye? Real and upside down
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- Prey animals have two eyes located in opposite directions on their heads, so they have field of vision? maximum
- Who generates electrical signals? Light Sensitive
- What is the approximate time difference between the actual sunset and the apparent sunset? 2 min
- The uppermost layer of the atmosphere appears to be dark because the absence of dust particles prevents the \_\_\_\_\_ of sunlight. dispersion
- How many seconds does the image remain on the retina even after the object is removed? 1/10 S
- Which colour light will be produced when the red and green squares of light meet? yellow
- Which colour will get light when red and blue light mixes? Magenta
- What would a red rose look like if it were seen in a green light? black
- Does the retina convert light? In the electric signal
- Who transmits the electrical signal generated by the retina to the brain? Optic nerve
- What color would the sky appear if the earth had no atmosphere? Black
- If the image of an object is formed behind the retina, then the person is suffering from which visual defect? Farsightedness
- To which persons are the 'driving license' granted to drive a motor vehicle? Those who are not color blind
- Within how many hours should the eye be removed for eye donation after death? Within 4 to 6 hours
- Which type of lens is found in the human eye? convex len
- What is the lens present in the human eye? convex len
- Which point of the human eye is most sensitive to light? Yellow Point

Which image of the human eye is not sensitive to light at all? Blind Point

The human eye can focus objects at different distances by adjusting the focal length of the eye lens. What is the reason for this happening? accommodation

Human eyes are two, so what is their field of vision?  $180^\circ$

What is the maximum contaminated area of both the eyes of a human being?  $180^\circ$

What is the approximate horizontal field of vision of one eye of a human being?  $150^\circ$

Human eyes can easily see near and far things, which of the following is the reason for this? Accommodation

In dim light, whose sagging causes the pupil to dilate completely? iris of the eye

What is the primary colour of light? Red, Blue and Green

Light enters the eye through a thin membrane, this membrane is called? Cornea

Do the leaves of the tree look green because it reflects? Green Colour

Who controls the size of the pupil? iris of the eye

The screen is a soft microscopic membrane containing which type of cells are found in large numbers. Light Sensitive

Which 'vision defect' occurs due to excessive focal length of the eye lens? Farsightedness

Most of the light rays entering the eye are refracted? On the outer surface of the cornea

Is there an image made of an object in the eye? Real, upside down and small

What is the age limit of a person who donates eyes? Between 10 years to 60 years

Can you see when the eyeball is round? Near objects

What is the diameter of the eyeball? Approx. 2.3 cm

On which part of the eye is the image of an object formed? retina

What is the condition called if the crystalline lens of the eye becomes milky and curly? Cataract in vision impairment

What are the glasses of a person with nearsightedness? Concave lenses

Where is the image of an object formed in the eye of a person with nearsightedness? Before (forward) of the retina

——— does the distance of the eye lens decrease in nearsightedness? Focus Distance

A nearsighted person cannot see clearly objects more than \_\_\_\_\_ meters away?  $\hat{A}$  1.2 m

What causes nearsightedness?  $\hat{A}$  Increased curvature of the eye lens

What causes nearsightedness?  $\hat{A}$  Lengthening of the eyeball

Which object cannot be seen clearly by a person suffering from myopia? Items kept away

Which lens is used to correct nearsightedness?  $\hat{A}$  Concave Lens

The defectless eye can easily see the object placed between 25 cm  $\hat{A}$  and infinity, what is the distance between it called?  $\hat{A}$  Vision Complex

Which colour has the maximum wavelength in visible light?  $\hat{A}$  red

Can eyes with farsightedness see clearly? Distant objects

Where is the image of an object formed in the eye of a person with farsightedness?  $\hat{A}$  Behind the retina

Vision defect can be corrected using which lens? convex lens

What is the cause of visual impairment? Shortening of the eyeball

Is it used for the prevention of long-sightedness? convex lens

What causes long sightedness?  $\hat{A}$  Excessive focal length of the eye lens

In Long Sightedness, the focal length of the eye lens is \_\_\_\_\_?  $\hat{A}$  lengthen

What object cannot be seen clearly by a person with long sightedness? Objects placed near

The eye which cannot see the near object clearly is present in that eye? Farsightedness

What happens in the  $\hat{A}$  eye which cannot see distant objects clearly? Myopia

What causes geriatric vision defect? Causes of reduced eye adjusting capacity

A person with slight farsightedness is treated with which type of lens?  $\hat{A}$  Bifocal

The upper part of the bifocal lens used in short distance vision is made of which lens?  $\hat{A}$  Concave Lens

The lower part of the bifocal lens used in farsightedness is made of which lens?  $\hat{A}$  convex lens

Which lens can be used to correct Farsightedness?  $\hat{A}$  Bifocal Lenses

Why does farsightedness occur because the ability of the eye to adjust is \_\_\_\_\_?  $\hat{A}$  weaker

When the lateral muscle of the eye contracts, the focal length of the eye lens \_\_\_\_\_?  $\hat{A}$  increases

When the ciliary muscles of the eye relax, the focal length of the eye lens becomes —?  $\hat{A}$  heighten

When the ciliary muscles of the eye are relaxed, — does the eye lens become ?  $\hat{A}$  thin

When looking at a near object, the ciliary muscles contract and the shape of the eye increases.  $\hat{A}$  round

Which cells are not present in the retina of a chick?  $\hat{A}$  Cone cell

Which sick person can donate eyes? Individuals suffering from diabetes

Which sick person can never donate eyes?  $\hat{A}$  Person suffering from AIDS and brain disease

Which type of eye defect occurs due to defect in cornea i.e. it is not perfectly spherical?  $\hat{A}$  astigmatism

——— is there a structure behind the cornea which is a set of black muscles?  $\hat{A}$   $\hat{A}$  Iris

What is the part of the eye on which the image of an object falls is called?  $\hat{A}$  retina

Which lens can be used to correct long sightedness?  $\hat{A}$  convex len

In which defect of vision does the crystalline lens of the eye become cloudy opaque?  $\hat{A}$  Cataract in vision impairment

In which visual defect is the image of an object formed in front of the retina?  $\hat{A}$  In nearsightedness

When light with low intensity falls on the eye, the size of the pupil becomes ———?  $\hat{A}$  Dried tiny balls of grounded pulse

What is the nearest point for a normal eye?  $\hat{A}$  25 CM

What is the far point for a normal eye?  $\hat{A}$  endless

A prism divides the white light of the sun into how many colours?  $\hat{A}$  In seven colors

What does the whole world look like to a person with one eye?  $\hat{A}$  Two-dimensional shape

What is the degree of vision of a person with one eye?  $\hat{A}$   $150\hat{A}^\circ$

With the increase in age, the adjustment capacity in the human eye decreases, what is this defect called?  $\hat{A}$  Minor vision impairment

Why does the sky appear blue?  $\hat{A}$  Due to the over-scattering of blue light

In which part is the image formed in the eyes?  $\hat{A}$  Retina

What is the behavior of the eyes?  $\hat{A}$  Like a convex lens

Controls the amount of light entering the eye?  $\hat{A}$  Iris

Where are the different signals interpreted?  $\hat{A}$  In the brain

The process of adjustment in the eye lens is carried out by? By ciliary muscles

The ability of the eye lens to adjust its focal length is called? Adjustment Capacity

Is the focal length of the eye lens changed? By Ciliary Muscles

What type of lens is eye lens? convex lens

Which type of lens in the glasses of a person with astigmatism eye defect prevents defects? With cylindrical lenses

By changing the focal length of your lens, you can see a distant or near object clearly, what is this property of the eye called? Adjustment Capacity

When light of extreme intensity falls on the eye, the size of the pupil becomes ———? short

What does the sky look like to travelers flying at high altitudes? Black

A student sitting in the last row has difficulty in reading the blackboard, which visual impairment is this student suffering from? Short Sightedness









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