

# Human Eye Class 10 MCQ with Answers | NCERT Chapter 11

The chapter "The Human Eye and the Colourful World" from NCERT Class 10 Science explains the structure and functioning of the human eye, defects of vision, and atmospheric refraction. Here are some multiple-choice questions (MCQs) to help you revise the chapter effectively.

## MCQs on Human Eye and the Colourful World

1. Which part of the human eye controls the amount of light entering it?

- a) Cornea
- b) Retina
- c) Iris
- d) Optic nerve

Answer: c) Iris

2. The least distance of distinct vision for a normal human eye is:

- a) 10 cm
- b) 25 cm
- c) 50 cm
- d) 100 cm

Answer: b) 25 cm

3. Which of the following is the primary function of the retina?

- a) Control light entry
- b) Form the image of an object
- c) Protect the eye

d) Adjust the focal length

Answer: b) Form the image of an object

4. The ability of the eye lens to adjust its focal length is called:

a) Accommodation

b) Adaptation

c) Persistence of vision

d) Refraction

Answer: a) Accommodation

5. Which of the following is NOT a defect of vision?

a) Myopia

b) Hypermetropia

c) Astigmatism

d) Reflection

Answer: d) Reflection

6. A person suffering from myopia needs:

a) Convex lens

b) Concave lens

c) Cylindrical lens

d) Plane mirror

Answer: b) Concave lens

7. The splitting of white light into its seven colors is called:

a) Dispersion

b) Refraction

c) Reflection

d) Diffraction

Answer: a) Dispersion

8. The twinkling of stars is due to:

a) Dispersion of light

b) Atmospheric refraction

c) Scattering of light

d) Reflection of light

Answer: b) Atmospheric refraction

9. Which of the following causes the sky to appear blue?

a) Reflection

b) Refraction

c) Scattering of light

d) Absorption of light

Answer: c) Scattering of light

10. The phenomenon responsible for the red color of the sun at sunrise and sunset is:

a) Reflection

b) Refraction

c) Dispersion

d) Scattering of light

Answer: d) Scattering of light

(Additional MCQs follow in the document)