



Class – X

Physics

Human Eye and the Colourful World

**Worksheet**

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**MULTIPLE CHOICE QUESTIONS**

1. The image formed by retina of human eye is
  - a. Virtual and erect
  - b. Real and inverted
  - c. Virtual and inverted
  - d. Real and erect
2. The change in the focal length of human eye is caused due to
  - a. Ciliary muscles
  - b. Pupil
  - c. Cornea
  - d. Iris
3. The least distance of distinct vision for a young adult with normal vision is
  - a. 25 m
  - b. 20 m
  - c. 25 cm
  - d. 20 cm
4. The persistence of vision for human eye is
  - a. 1/10th of a second
  - b. 1/16th of a second
  - c. 1/6th of the second
  - d. 1/18th of a second
5. The light sensitive cell present on retina and is sensitive to the intensity of light is:
  - a. Cones
  - b. Rods
  - c. Both rods and cones
  - d. None of these

**Write the following questions answers :**

- 1) What is meant by power of accommodation of the eye?
- 2) A person with a myopic eye cannot see objects beyond 1.2 m distinctly. What should be the type of the corrective lens used to restore proper vision?
- 3) What is the far point and near point of the human eye with normal vision?
- 4) The far point of a myopic person is 80 cm in front of the eye. What is the nature and power of the lens required to correct the problem?
- 5) A student has difficulty reading the blackboard while sitting in the front row. What could be the defect the child is suffering from? How can it be corrected?