

**BAL BHARATI PUBLIC SCHOOL  
GANGA RAM HOSPITAL MARG  
FORMATIVE ASSESSMENT NO: 2  
SUBJECT: SCIENCE  
CLASS – VIII  
ASSIGNMENT NO: 2  
CHAPTER - LIGHT**

**Q1. Fill ups:**

- 1) The image formed by a plane mirror shows the phenomenon of \_\_\_\_\_ inversion.
- 2) Perpendicular at the point of incidence is \_\_\_\_\_.
- 3) Splitting up of light into its color is known as \_\_\_\_\_ of light.
- 4) Part of retina which is devoid of light sensitive cells \_\_\_\_\_.
- 5) During near vision, ciliary muscles \_\_\_\_\_, while during distant vision, they expand.
- 6) \_\_\_\_\_ lens is present in the eyes.
- 7) \_\_\_\_\_ protect the inner structure of the eyes.
- 8) The day birds like Kite, Eagle have more \_\_\_\_\_ & fewer \_\_\_\_\_.
- 9) Reflection of light by a smooth polished surface is \_\_\_\_\_ reflection.
- 10) The \_\_\_\_\_ nerves connects the eyes to brain.

**Q2. Choose the correct answer:**

1. Braille System was developed in
  - a) 1891
  - b) 1888
  - c) 1791
  - d) 1821
2. The image formed by a plane mirror is
  - a) Always real
  - b) Sometimes real & sometimes Virtual depending upon the distance of object from the mirror.
  - c) Always virtual
  - d) Real but diminished
3. The no. of multiple images formed by two plane mirrors, if the angle between them is  $72^\circ$ 
  - a) 4
  - b) 6
  - c) 5
  - d) 7

4. A person is standing 5m away from a plane mirror. What will be the distance between him & the image?

- |        |        |
|--------|--------|
| a) 5m  | c) 0m  |
| b) 10m | d) 15m |

**Q3. Name the following:**

- a) The most popular resource for visually challenged person to read & write. \_\_\_\_\_
- b) The ray which strikes any surface. \_\_\_\_\_
- c) Light sensitive cells in the eye. \_\_\_\_\_
- d) A smooth, shining surface, which rebounds the light back in the same or different direction. \_\_\_\_\_

Q3. Why do night birds have extraordinary night vision?

Q4. How the persistence of vision is helpful in making still pictures moving?

Q5. Describe the functions of (a) cornea (b) pupil (c) ciliary muscles (d) iris

Q6. Why are the multiple images seen when two plane mirrors are placed at an angle between them?

Q7. Why is Vitamin A essential for us?

Q8. What are the common eye defects? Give their causes and corrective measures.