

**WORK SHEET**  
**SECOND TERM**  
**SUBJECT- SCIENCE**  
**LESSON - LIGHT AND VISION**  
**CLASS- VIII**

**Q.1. Complete the following sentences**

- a) The coloured, disc shaped diaphragm in the eye is called the .....
- b) In regular reflection, the reflected rays remain ..... to each other.
- c) The number of image is infinite when the angle between the mirrors is .....

**Q.2. Name the following**

- a) Light of all colours are mixed in a certain proportion.
- b) Blindness arising out of lack of Vitamin A in the diet.
- c) The rays of beam are reflected in different directions.
- d) A protective white membrane covering most of the eye ball.

**Q.3. Define the following terms**

- a) Braille
- b) Lateral Inversion
- c) Kaleidoscope
- d) Dispersion
- e) Spectrum
- f) Accommodation
- g) Cataract

**Q.4. Differentiate between the following**

- b) Reflection and Refraction
- c) Myopia and hypermetropia

**Q.5. Give reasons for the following**

- a) A shiny metal utensil forms an image, but the image is not clear as that formed by a mirror.
- b) You see a clear, bright image of an object in a mirror.
- c) When a mirror is held behind your head after a haircut, not only you see the back of your head, you also see innumerable images of yourself.

**Q.6. Answer the following in not more than 20 words.**

- b. What happens to the rays of light in case of diffuse reflection?
- c. An object is placed 20 cm in front of a plane mirror. Where is the image formed? How far is it from the mirror?
- d. An object is placed between two mirrors that are at  $60^\circ$  to each other. How many images are formed?

**Q.7. Answer the following in not more than 40 words.**

- a. State the laws of reflection of light.
- b. What do you understand by the blind spot of the eye?

**Q.8. Answer the following in not more than 100 words.**

- a. What vision related problems occur when the diet lacks Vitamin A?
- b. Describe the structure of the eye with the help of a diagram.

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