

CHAPTER-11 | Light, Shadows and Reflections

QUIZ
PART-03

1. Reflection is change in direction of light by:

- A. Water
- B. Air
- C. Mirror
- D. Screen (C)

Explanation: Mirror reflects light.

2. Image in plane mirror is:

- A. Smaller
- B. Bigger
- C. Same size
- D. Invisible (C)

Explanation: Image size equals object size.

3. Image formed in plane mirror is:

- A. Real
- B. Virtual
- C. Permanent
- D. Solid (B)

Explanation: Cannot be obtained on screen.

4. Image in mirror is:

- A. Inverted upside down
- B. Erect
- C. Rotated
- D. Curved (B)

Explanation: Plane mirror forms erect image.

5. Distance of image from mirror is:

- A. Greater
- B. Less
- C. Equal to object distance
- D. Double (C)

Explanation: Object and image distances equal.

6. Lateral inversion means:

- A. Upside down
- B. Left-right reversal
- C. Enlargement
- D. Rotation (B)

Explanation: Left appears right and vice versa.

7. Ambulance is written reversed because:

- A. Decoration
- B. Lateral inversion
- C. Reflection
- D. Illusion (B)

Explanation: So it reads correctly in mirror.

8. A shiny steel plate produces:

- A. Only shadow
- B. Reflection also
- C. No light
- D. Absorption (B)

Explanation: Shiny surfaces reflect light.

9. Plane mirror image cannot be:

- A. Seen
- B. Obtained on screen
- C. Virtual
- D. Same size (B)

Explanation: It is virtual.

10. Image formed by plane mirror is not:

- A. Virtual
- B. Same size
- C. Upside down
- D. Laterally inverted (C)

Explanation: It is erect, not upside down.