

BCM SCHOOL BASANT AVENUE DUGRI ROAD LUDHIANA

CLASS VI

SUBJECT-SCIENCE

Assignment 1

Case Study

Take a comb in your right hand and bring it to your hair and look at yourself in mirror. You can see your own face in the mirror. This is your mirror image.

1. In your mirror image you appear to be holding the comb in your

- (a) **left hand**
- (b) right hand
- (c) comb is not visible
- (d) None of these is correct

2. The images of an object formed in a pin hole camera and that in a mirror are

- (a) quite similar
- (b) **quite different**
- (c) can't say
- (d) All are incorrect

3. The image formed in a mirror is due to

- (a) **reflection of light**
- (b) bending of light
- (c) Both the above
- (d) None of these

Reason- Assertion

- (a) Both A and R are true and R is the correct explanation of A.
- b) Both A and R are true but R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.

1. **Assertion (A):** Mirror reflection gives clear images.

Reason (R): Images are quite similar to shadows.

Ans. (c) A is true but R is false.

2. Assertion (A): The elbow joint is a hinge joint.

Reason (R): Hinge joint allows movement in one plane only.

Ans. b) Both A and R are true but R is not the correct explanation of A.

Answer the following

1. 'X' is 20 cm away from the mirror. If he moves few steps closer to the mirror what will happen to the image

Ans. The size of the image will be same as the size of the object.

2. Give one natural source of light.

Ans. Sun

3. If you tie a scale with your arm, are you able to bend your elbow?

Ans. No