

Girls' High School & College, Prayagraj

ASSIGNMENT

SESSION 2020-2021

CLASS - IX A B C D E

SUBJECT- PHYSICS

CHAPTER- REFLECTION OF LIGHT

TOPIC - LAWS OF REFLECTION & FORMATION OF IMAGE BY A PLANE MIRROR

INSTRUCTIONS FOR THE ASSIGNMENT:-

1. The parents to ensure that their ward watches the video Instructions for this assignment attentively by clicking on the given link: <https://www.youtube.com/watch?v=iIQ4lHmNN4Y&t=17s>, revise the lesson given in the book and then work on the assignment. The completed assignment is to be submitted to this Email: rcjaiswalproject2020@gmail.com
2. Students who have already submitted this assignment need not send it again.

Answer the following questions briefly:-

Q.1:- Explain the following terms :

- (i) incident ray,
- (ii) reflected ray,
- (iii) angle of incidence, and
- (iv) angle of reflection.

Q.2:- With the help of diagrams, explain the difference between the regular and irregular reflection.

Q.3:- State the two laws of reflection of light.

Q.4:-What do you mean by reflection of light?

Q.5:- A light ray is incident normally on a plane mirror.

(a) What is its angle of incidence?

(b) What is the direction of reflected ray?

Q.6:- Draw a diagram to show the reflection of a ray of light by a plane mirror.

Q.7:- Draw a diagram to show the reflection of a light beam by a plane paper.

Q.8:- Differentiate between a real and a virtual image.

Q.9:- What is meant by lateral inversion of an image in a plane mirror?

Q.10:- Write three characteristics of the image formed by a plane mirror?

END