

Date: - February 17,

TENDER HEART HIGH SCHOOL; SEC-33B, CND

2025

CLASS-VIII (Practice assignment)

Subject: - PHYSICS

Revision Ch-7 (Reflection of Light)

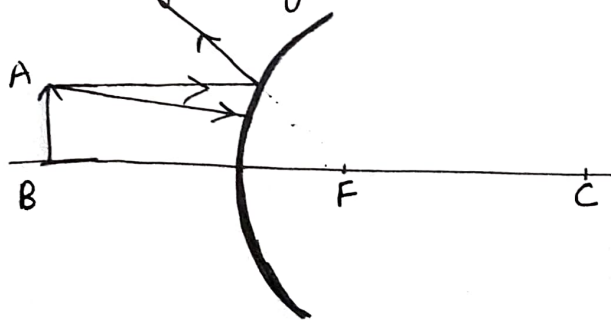
Q1: → State the number of images formed when an object is placed between ^{two} mirrors inclined at angle of 60° to each other.

Q2: → (a) Draw a ray diagram for a Concave mirror when the object is between the Centre of Curvature and the focus F. Also write the characteristics of image formed.

Q3: → (i) Write mirror formula
(ii) Define magnification with formula.
(iii) Write uses of Convex mirror.

Q4: → What is a virtual image. Give one example.

Q5: → Complete the diagram given below: -



Q6: → (i) An object is placed at a distance of 15 cm in front of a convex mirror of radius of curvature 10 cm.

(a) Where will the image form (Position of image)

(b) Find the magnification m

(c) What will be the nature of image, real or virtual?

Ans

Q7: → The erect image formed by a Concave mirror is of size double the size of object. How u and v are related?

Q8: → A convex mirror forms the image of an object placed at a distance 40 cm in front of mirror, at a distance 10 cm. Find the focal length of mirror.