



SACRED HEART SCHOOL

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ASSIGNMENT (2020– 2021)

Class - X

Subject – PHYSICS

Assignment questions based upon online class

1. What do you mean by magnification produced by the mirror? If the height of the image and object are 8cm and 4cm respectively. Then find the magnification of the image.
2. The radius of the curvature of a convex mirror used on a moving automobile is 2.0 m. A truck is coming behind it at a constant distance of 3.5m. calculate,
 - i) The position and the size of image relative to the size of the truck.
 - ii) What will be the nature of the image?
3. An object is placed at a distance of 10 cm from a convex mirror of focal length 15 cm. find the position and nature of the image.