

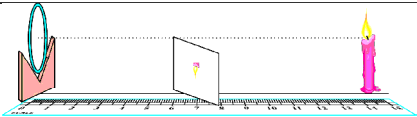
CLASS-10
PHYSICAL SCIENCE
PERIOD PLANS

CHAPTER: 03 – REFLECTION OF LIGHT BY DIFFERENT SURFACES

PERIOD PLAN-07 : Reflection of light by spherical mirrors

Distance of object and image

Size of object and image

Content Analysis		Class Room Environment		Teaching Learning Material
<p><u>Reflection of light by spherical mirrors:</u> <u>Distance of object and image:</u> <u>Size of object and image:</u> Aim: Observing the types of images and measuring the object distance and image distance from the mirror. Procedure: Place the concave mirror on V-stand, a candle and meter Scale. Keep the candle at different distances from the mirror (10cm to 80cm) along the axis and by moving the screen find the position where we get the sharp image on screen. (Take care that flame is above the axis of mirror, screen is below the axis). nagamurthy.weebly.com</p>				<p>A candle, paper, concave mirror (known focal length), V-stand, measuring tape or meter scale.</p>
Position of the candle (object)	Position of the image	Enlarged?/ diminished?	Inverted or erect	Real or virtual
Between mirror & F	Behind the mirror	Enlarged	Erect	Virtual
On focal point	At infinity	Highly enlarged	Inverted	real
Between F and C	Beyond C	Enlarged	Inverted	Real
On centre of curvature	On C	Same size	Inverted	Real
Beyond C	Between F and C	Diminished	Inverted	Real