## Class-X(Cancept Map)

Position of the object	Position of the image	Size of the image	Nature of the image							
At infinity	At the focus F	Highly diminished	Real and inverted							
Beyond C	Between F and C	Diminished	Real and inverted		m = positive	v = image distan				
At C	At C	Same size	Real and inverted	Measured in	= virtual & erect m = negative=	image u=object dista f=focal length	nce			
Between F and C	Beyond C	Magnified	Real and inverted	diopter(D)	real & inverted	image $\frac{1}{v} & \frac{1}{v} & \frac{1}{f}$	Position of the object	Position of the image	Size of the image	Nature of the image
At F	At infinity	Highly magnified	Real and inverted	$\left(P \mid \forall \frac{1}{f}\right)$	$\left(m \mid \forall \frac{v}{u} \mid \frac{h_2}{h_1}\right)$	The state of the s	At infinity	At F	Highly diminished	Virtual and erect
Between optical centre and F	Behind the mirror	Magnified	Virtual and erect				Between O and #	Between O and F	Diminished	Virtual and erect
		ture	Ray diagr	Concave	/ /	<b>├</b> ── <b>₽</b> ( (	angle of reflection	es:Rear Lig	Pole Intreflect Centre of Convex surface  Radius of curvatu Convex m	ure