

CLASS-10

PHYSICAL SCIENCE

UNIT PLAN

CHAPTER: 06 –REFRACTION OF LIGHT BY CURVED SURFACES

PERIOD NUMBER	CONCEPTS / TEACHING POINTS	PAGES IN TEXT BOOK		REMARKS
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1.	Refraction of light at a curved surface Refraction through convex, concave surfaces Refraction through rarer and denser mediums	112	115	
2.	Refraction – image formation Refractive indexes of media Relation between the distances of object, image and radius of curvature	115	117	
3.	Refraction on curved surfaces - problems	117	119	
4.	Lenses – types – main terms and concepts Focal length of a lens	119	121	
5.	Behaviour of light rays on lens	121	122	
6.	Ray diagram of forming image by lens Places of images by refraction through convex lens	122	124	
7.	Ray diagram of forming image by lens Places of images by refraction with concave lens	124	125	
8.	Experiment with convex lens Determination of places of images for different distances of objects	125	126	
9.	Lens formula - Derivation	127	129	
10.	Affecting factors of focal length Lens maker's formula	129	131	

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