VIDYA BHAVAN, BALIKA VIDYAPEETH

SHAKTI UTTHAN ASHRAM, LAKHISARAI, PIN:-811311

SUBJECT:- PHYSICS

CLASS:- XTH

DATE:09/07/XX

SUBJECT TEACHER:- MR. NEEL NIRANJAN

CHAPTER 5. (LIGHT- REFRACTION) (BASED ON NCERT PATTERN)

Causes of refraction:-

Light travels in different speed in different mediums. For example light travels faster in air than in a glass. Therefore, it is due to the change of speed of light in different medium that the light rays are refracted.

Optically rarer medium:-

A transparent substance (medium) in which the speed of light is more is called optically rarer medium.

Optically denser medium:-

A transparent substance (medium) in which the speed of light is less is known as optically denser medium.

Glass is an optically denser medium than air and water.

<u>Refraction through glass slab:</u>-

