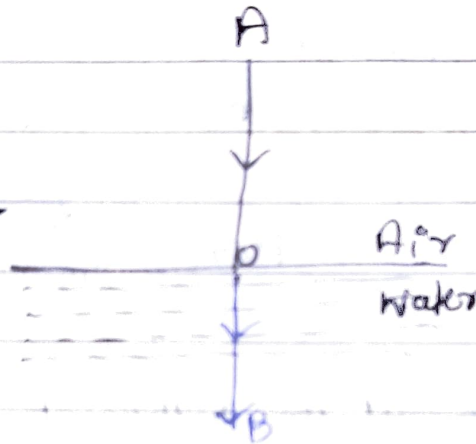
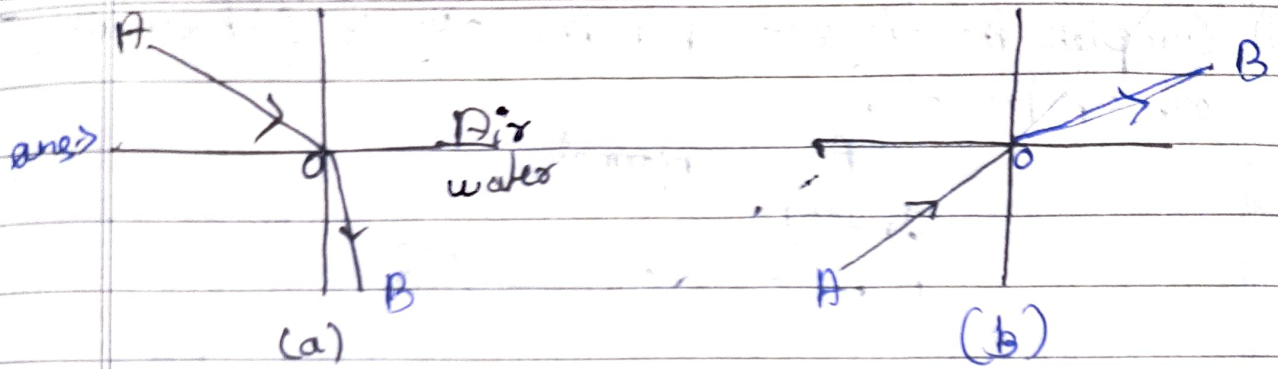


How
29/11/21

Q 1) A ray of light travels from a denser to rarer medium. How will it bend?

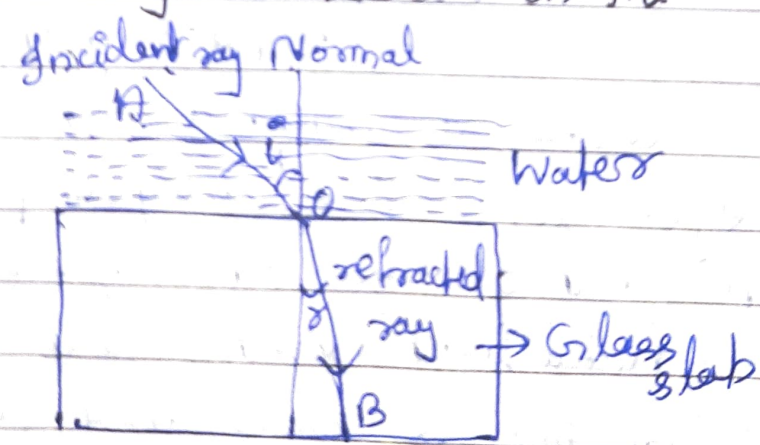
ans → When a ray of light travels from denser to rarer medium, then the refracted ray will bend away from the normal.

2) Draw refracted ray in each



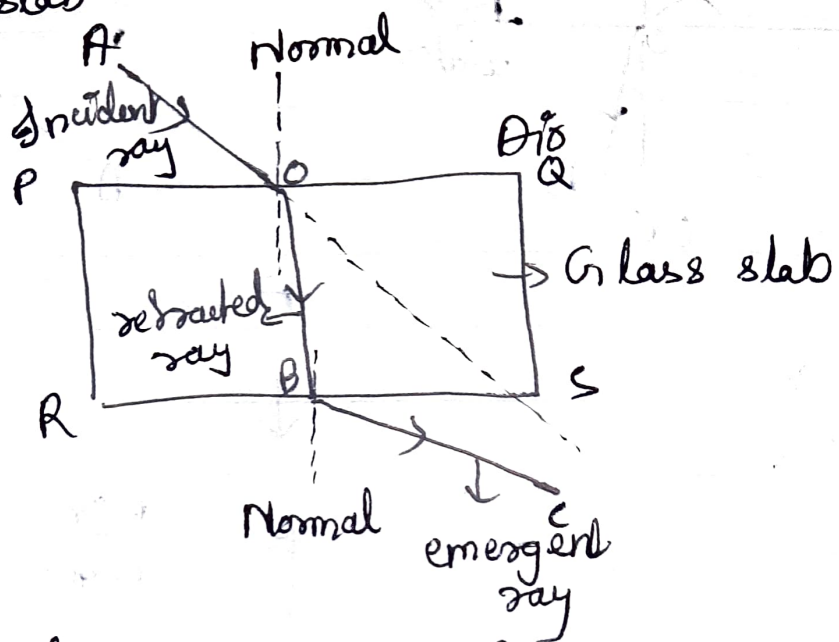
Here OB is the refracted ray in the 3 cases.

13) Draw a diagram showing the refraction of a light ray from water to glass. Label it on the



$\angle i$ = angle of incidence
 $\angle r$ = angle of refraction

14) Complete the diagram till the ray of light emerges out of the slab.



15. a) A coin placed at the bottom of the vessel appears to be raised when water is poured in the vessel.

ans) When a light ray travels from a denser to rarer medium, it moves away from the normal. The coin placed at bottom of the water filled vessel reflects light from it which when reaches the interface ~~moves~~ bends and enters our eyes which are at oblique position to the interface. But our eyes can only see the objects whose reflected light directly falls on our eyes. So, a virtual img. is formed in a raised position visible to us.