

Question number	Answer	Notes	Marks
6	(a) (i)	set-up showing any <b>two</b> from- clear indication of equipment needed; correct refraction at one surface of glass block shown; protractor shown in use;	2
	(ii)	angle of incidence; angle of refraction;  OR critical angle; idea of grazing emergence;	2
	(iii)	find $\sin i$ and $\sin r$ ; refractive index is the ratio of sines;  OR find $\sin c$ ; refractive index is $1/\sin c$ ;	2
	(b) (i)	Diagram – reflection at first back surface; reflection at second back surface;	2
	(ii)	Refracted / slows down / wavelength decreases	1

Total 9 marks